IN THE UNITED STATES DISTRICT COURT FOR THE DISTRICT OF DELAWARE

INTEGRA LIFESCIENCES CORP., INTEGRA LIFESCIENCES SALES LLC, CONFLUENT SURGICAL, INC., AND INCEPT LLC,

Plaintiffs.

v.

HYPERBRANCH MEDICAL TECHNOLOGY, INC.,

Defendant.

Civil Action No. 15-819-LPS-CJB

REDACTED - PUBLIC VERSION

EXHIBIT 1 TO PLAINTIFFS' MOTION FOR REDACTIONS TO THE TRANSCRIPT OF THE MAY 15, 2018 FINAL PRETRIAL CONFERNCE

Of Counsel:

Robert F. Altherr, Jr. Christopher B. Roth BANNER & WITCOFF, LTD. 1100 13th Street NW Suite 1200 Washington, DC 20005 Telephone: (202) 824-3000

John P. Iwanicki **BANNER & WITCOFF, LTD.**28 State Street, Suite 1800
Boston, MA 02109
Telephone: (617) 720-9600

Jason S. Shull
Matthew P. Becker
BANNER & WITCOFF, LTD.
Ten South Wacker
Suite 3000
Chicago, IL 60606
Telephone (312) 463-5000

YOUNG CONAWAY STARGATT & TAYLOR LLP

Karen L. Pascale (#2903) [kpascale@ycst.com] James L. Higgins (#5021) [jhiggins@ycst.com] Rodney Square 1000 North King Street Wilmington, DE 19801 Telephone: (302) 571-6600

Attorneys for Plaintiffs, Integra LifeSciences Corp., Integra LifeSciences Sales LLC, Confluent Surgical, Inc., and Incept LLC

August 6, 2018

Redacted Version: August 13, 2018

```
IN THE UNITED STATES DISTRICT COURT
          FOR THE DISTRICT OF DELAWARE
INTEGRA LIFESCIENCES CORP.
INTEGRA LIFESCIENCES SALES, LLC,)
CONCLUENT SURGICAL, INC., and )
INCEPT, LLC,
           Plaintiffs,
                                ) Case No.
                                ) 15-819-LPS-CJB
V.
HYPERBRANCH MEDICAL TECHNOLOGY, )
INC.,
          Defendant.
              Tuesday, May 15, 2018
              8:38 a.m.
              Courtroom 6B
              844 King Street
              Wilmington, Delaware
BEFORE: THE HONORABLE LEONARD P. STARK
        United States Chief District Court Judge
```

APPEARANCES:

YOUNG CONAWAY STARGATT & TAYLOR BY: KAREN PASCALE, ESQ.

-and-

BANNER & WITCOFF, LTD

BY: ROBERT F. ALTHERR, JR., ESQ.

BY: JOHN P. IWANICKI, ESQ. BY: CHRISTOPHER ROTH, ESQ.

Counsel for the Plaintiffs

MORRIS NICHOLS ARSHT & TUNNELL, LLP

BY: THOMAS C. GRIMM, ESQ. BY: JEREMY TIGAN, ESQ.

-and-

COOLEY, LLP

BY: JONATHAN GRAVES, ESQ.

BY: ADAM PIVOVAR, ESQ.

BY: STEPHEN CRENSHAW, ESQ.

Counsel for the Defendant

```
1
                     THE COURT: Good morning, everybody.
 2
     Please be seated. I'll have you start by putting
 3
     your appearances on the record for us, please.
 4
                     MS. PASCALE: Good morning, Your
 5
       Honor.
 6
                     THE COURT: Good morning.
7
                     MS. PASCALE: Karen Pascale from
8
       Young Conaway for the plaintiffs. If I may
 9
       introduce from Banner & Witcoff, this is Robert
10
       Altherr, John Iwanicki and Christopher Roth.
                     THE COURT: Good morning.
11
12
                     MR. GRIMM: Good morning, Your
13
               Thomas Grimm, Morris, Nichols, Arsht &
14
       Tunnell for defendant HyperBranch. My partner,
15
       Jeremy Tigan is with me this morning as are our
16
       colleagues from the Cooley firm who you have met
17
       before, Jonathan Graves, Adam Pivovar and
18
       Stephen Crenshaw.
19
                     THE COURT: Welcome again to all
20
       of you.
21
                     So we're here for the pretrial
22
       conference for the jury trial that is going to
23
       begin on May 29th. And we have a pretty busy
24
       agenda at least from my end this morning. Let
```

1 me tell you the order in which I generally plan 2 to raise the various issues that I'm aware of 3 and, of course, you'll have a chance to raise any other issues provided we have time after all 4 5 of this. I want to first talk about the 6 7 whole set of claim construction questions and 8 whether or not anybody is trying to admit 9 opinions or evidence inconsistent with the 10 Court's claim construction. After that, I want 11 to talk about the defendant's motion to sever 12 and stay the proceedings with respect to claim 13 10 of the '034 patent. 14 I want to talk after that about 15 the plaintiff's motion for reconsideration of 16 certain aspects of our rulings on the motions in 17 limine. Then we'll talk about the 18 19 defendant's objections to the R&R regarding 20 summary judgment related to claim 10 of the '034 21 patent. 22 Most likely after that we'll go 23 through the list of other issues that I 24 identified in my order the other day that we saw

1 as open issues after reviewing the pretrial order. We'll talk about some of the mechanics 2 3 of how we'll run the courtroom and what the 4 trial will look like, and we'll see if you all 5 have other issues besides those that I have identified. 6 7 Before we jump into that, any 8 questions from the plaintiff? 9 MR. ALTHERR: No, Your Honor. 10 THE COURT: And how about from the 11 defendant? 12 MR. GRAVES: No, Your Honor. 13 THE COURT: Okay. Then let's 14 start on these claim construction questions. 15 got the submission yesterday. And I guess let's 16 first start with the issues that the plaintiffs 17 have raised where they think the defendants are 18 going to offer evidence and argument that is 19 inconsistent with the Court's claim 20 construction. 21 And just as an initial matter, let 22 me confirm with the defendants, do you intend to 23 offer evidence and argument that the plaintiffs 24 have identified, because if you don't, that will

1 cut the discussion short? 2 MR. PIVOVAR: I can address that 3 briefly, Your Honor. 4 THE COURT: Sure. 5 MR. PIVOVAR: The answer to that 6 really is yes because how we took your order of 7 Friday was to essentially help you identify 8 specific issues that have been disputed between 9 the parties already and for which there has been 10 some resolution by the Court of a claim 11 construction dispute that had been adverse one 12 side or the other that would sweep all of a 13 certain expert's opinion into that camp. 14 And what's really happened here, 15 Your Honor, is they've essentially identified 16 everything that our expert has on 17 noninfringement of these predetermined thickness 18 claims. And there are a lot of different claim 19 constructions there. 20 If you look at the order from 21 Judge Burke on the Daubert issue, he said your 22 expert applied the same thing and you look at 23 one little small thing. They have taken that as 24 we can take a run at knocking out all the

/

1 opinions on noninfringement and invalidity for 2 the entirety of everything your experts have 3 there. So we think it's become kind of an 4 overreach from plaintiffs on that. We do intend 5 to pursue that. 6 THE COURT: All right. Let me get 7 somebody from the plaintiffs up here and let me 8 make sure I understand what it is you think the 9 defendants are going to do that is inconsistent. 10 And first let me say, even though it was pretty 11 lengthy what you put together for us, at the end 12 of the day it seemed to me that everything 13 you're challenging relates to the predetermined 14 thickness limitation. Is that correct? 15 MR. IWANICKI: Well, for the most 16 part, Your Honor, there is one indefiniteness 17 rejection with respect to claim 10. And let me 18 -- it's at section C, defendant's opinion that 19 claim 10 of the '034 patent is indefinite is not 20 consistent with the Court's claim construction. 21 THE COURT: Other than that, 22 everything else in those eleven pages relates to 23 predetermined thickness; is that right? 24 MR. IWANICKI: Yes, Your Honor.

1 THE COURT: Let's talk about 2 predetermined thickness and we'll come to your 3 other one after we talk through this one. 4 MR. IWANICKI: Certainly, Your 5 Honor. We took Your Honor's order to provide 6 precision and to the best we could we did 7 provide precision in going through the relief 8 that we had requested as well as the plaintiff's 9 Daubert relief that was sought in the Court's 10 rulings. And it's quite clear that in 11 determining what the predetermined thickness 12 limitations mean, the observable change and 13 predetermined thickness, the way that was 14 interpreted by the expert, Dr. Lowman, was that 15 three things, it required a categorical change 16 in color or a specific color or a specific 17 thickness, or color matching from memory. 18 THE COURT: You say that's three 19 different things. He's saying that only one of 20 those three need to be found. Is that correct? 21 That is your understanding of their expert's 22 opinion. 23 MR. IWANICKI: They have different 24 opinions based upon these particular aspects of

(

```
1
       what they think the observable change is and the
 2
       predetermined thickness is. And what we did,
 3
       Your Honor, was to go through the report and
 4
       particularly identify those paragraphs where
 5
       their experts provide an opinion as to what they
 6
       think observable change and predetermined
 7
       thickness means. And it's one of those three.
8
       And the Court says it's none of those three.
 9
                     THE COURT: So, first, I want to
10
       make sure we're all on the same page here so we
11
       have to move slowly. The claim talks about
12
       predetermined thickness; correct?
13
                     MR. IWANICKI: Yes.
14
                     THE COURT: Observable change, is
       that in the claim as well?
15
16
                     MR. IWANICKI: It is in the
17
       predetermined thickness claims, yes, Your Honor.
18
                     THE COURT: And so we construed
19
       some of this language and your argument is that
20
       the defendant's experts have added on additional
21
       limitations to what we said these claim
22
       limitations require. Correct?
23
                     MR. IWANICKI: That's correct.
24
       And the opinions that are presented in
```

1 Dr. Lowman's reports. 2 THE COURT: And in particular, one 3 of the things you say the defendants have read 4 into these claims that is not there is a 5 requirement that one of three things be present, and then you listed three. Am I following you? 6 7 MR. IWANICKI: Yes. 8 THE COURT: Okay. Tell me those 9 three things again that you're saying the 10 defendant's experts saying need to be present. 11 MR. IWANICKI: Okay. A 12 categorical change in color. That's number one. 13 Number two, it's the position that there must be 14 a specific color for a specific thickness. The 15 user must understand that there is a specific 16 color for a specific thickness. And number 17 three, the user must be able to match from 18 memory the initial color to the final color 19 indicating predetermined thickness. 20 THE COURT: So I had thought that 21 the defendant's experts were accused by you of 22 requiring all three of those things in order --23 that you would have to prove all three of those 24 things in order to prove infringement. Is that

```
1
       your understanding of what the defendant's
 2
       experts are arguing, or is it not?
 3
                     MR. IWANICKI: I think what the
       defendant's experts are arguing, certainly they
 4
 5
       think we can link number two and number three
       together to a certain extent, the specific color
 6
 7
       for a specific thickness because essentially
8
       what they're saying is first of all, you need to
 9
       have a specific color for a specific thickness
10
       and you need to color match from memory. And
11
       because they don't -- they believe that they
12
       don't do that or that's not a feature of the
13
       accused hydrogels, that they do not infringe the
14
       claims.
15
                     THE COURT: All right. So in
16
       other words what it is, you don't think any of
17
       those three things are required by the claims;
18
       correct?
19
                     MR. IWANICKI: That's correct,
20
       Your Honor. I'm sorry if I misunderstood your
21
       question. Yes, absolutely.
22
                     And, Your Honor, their
23
       construction also narrows the predetermined
24
       thickness to a single thickness and not a range
```

1 as the Court had held. 2 THE COURT: Okay. 3 MR. IWANICKI: And so what we did, 4 Your Honor, is we went through and we identified 5 the paragraphs where Dr. Lowman is opining with 6 respect to the particular requirements we just 7 talked about, and I'll give you as an example, a 8 human must match a specific color, and this is 9 on the noninfringement, this is number one on 10 our list, their noninfringement positions. A 11 human must match a specific color or 12 transparency of the hydrogel at a predetermined 13 thickness from memory. That is what Dr. Lowman 14 says is required in order to infringe the 15 claims. And the Court held that is not 16 required. So if they're intending on bringing a 17 position of noninfringement based on that, that's inconsistent with the Court's claim 18 19 construction. 20 THE COURT: So is it your view 21 that if I agree with you that there is -- there 22 are no noninfringement or invalidity opinions 23 left that their experts can present. MR. IWANICKI: I think that's 24

1 correct, Your Honor, because Dr. Lowman did not 2 provide an alternative to something other than 3 his own understanding of what the claims mean 4 when opining on noninfringement or on the many 5 different invalidity positions. And it's quite clear, Your Honor, 6 7 that they're relying on these inconsistent 8 opinions because what you can essentially see is 9 what we have done is we have taken the actual 10 headings from Dr. Lowman's report and, for 11 example, we'll go to one of them here, it's at 12 page seven, opinion that the predetermined 13 thickness claims are invalid for lack of 14 enablement and lack of written description because there is no disclosure in the 15 16 specification teaching how any of the disclosed 17 visualization agents could cause an categorical 18 observable change in color to indicate a 19 predetermined thickness of hydrogel. That is 20 the opinion that's in his expert report, one of 21 the opinions on indefiniteness. 22 Another one, the predetermined 23 thickness claims are invalid for lack of 24 enablement because a human cannot perform the

1 claimed color or transparency memory match. So 2 they're saying that's a requirement of the 3 claim, and because the specification doesn't 4 teach one of ordinary skill in the art how to do 5 that, it lacks enablement. And so on --THE COURT: I think I understand. 6 7 Let me hear from the defendant now. 8 MR. PIVOVAR: Your Honor, I wanted 9 to touch on this categorical change thing first 10 because I think that the plaintiffs are grossly 11 mischaracterizing Dr. Lowman's position. 12 there is two aspects to this. You have 13 infringement where you look at the whole scope 14 of the claim. And what the Court faulted 15 Dr. Lowman and Dr. Flombaum for is using wording 16 that could potentially be used to narrow that. 17 So the ranges that they're saying 18 that our experts are opining there is full scope 19 of this claim and maybe there is like some 20 possibility that they narrowed it down. But 21 there is no dispute at all that these particular 22 features of requiring categorical change or the 23 other things fall within the scope of the claim. 24 And when you look at exactly what

1 is at page seven of the submission last night, 2 or yesterday, you'll see that -- you'd see, Your 3 Honor, they say oh, Dr. Lowman, he relies on an 4 understanding of predetermined thickness claims 5 that requires a categorical change. But let's look at the quotations they have for his expert 6 7 report. The quotation doesn't say that. 8 says they include a categorical change. So there is a difference between --9 10 THE COURT: Are you saying you 11 only want to put your expert on to say that hey, 12 we would also infringe if we had a categorical 13 change. We don't have categorical change, but 14 I'm not opining that we don't infringe because 15 we lack a categorical change? 16 MR. PIVOVAR: That's essentially 17 right because the full scope of the claim meets 18 a categorical change requirement and there is no 19 teaching of that part of the claim. But our 20 argument about noninfringement is not related to 21 there not being a categorical change. 22 THE COURT: You agree that no 23 categorical change is required in order to 24 practice these claims?

```
1
                     MR. PIVOVAR: Yes. It's not
 2
       required. So it's not necessary.
 3
                     THE COURT: If you have a
 4
       categorical change and everything else, you
 5
       infringe.
 6
                     MR. PIVOVAR: You would infringe.
 7
       That's the difference, we say this is one
8
       embodiment that you can have within the full
9
       scope of the claim that isn't enabled and there
10
       is no written description for so it's invalid,
11
       but that doesn't mean if you don't practice that
12
       small part you don't necessarily infringe.
13
                     THE COURT: So it's an invalidity
14
       opinion, it's not a noninfringement opinion?
15
                     MR. PIVOVAR: Exactly. That's why
16
       it's says includes, not exclusive --
17
                     THE COURT: Do you propose to
18
       offer your experts to talk at all about
19
       categorical change in the context of
20
       noninfringement?
21
                     MR. PIVOVAR: No. And we have to
22
       understand exactly, I think if we could put this
23
       into a little bit of context, we can explain why
24
       it is -- can you please, go all the way up to
```

1 slide one. Has Your Honor viewed any of these 2 videos of how this product works? I don't want 3 to go on a big detour, but it's really important 4 5 THE COURT: We're not going to go 6 on a big detour whether I have looked at it or 7 not, but you can go on a short detour. 8 MR. PIVOVAR: Thank you, Your 9 Honor. 10 When these materials are applied, 11 what you're going to see here, hopefully, is 12 that when it comes out of the sprayer, it's 13 going to be green. You're going to see it. 14 sprays it, it's green. It's a dark green color 15 and then this video shows putting down layers 16 where it's a nice even green color at the first 17 layer. A nice even green color at the second 18 layer. And according to their experts, that's 19 too thin. That's not the one millimeter 20 predetermined thickness. So he puts down more. 21 Still a nice even green layer. Here is some 22 more, nice even green layer. You can see it's a 23 controlled spray that's taking a lot of time to 24 form a seal. Then he goes again. Then he goes

1 again. 2 So that's what the product looks 3 like. And our arguments for noninfringement are all responsive to what they say those first two 4 5 green colors, those are below the one to two 6 millimeter predetermined thickness. It's that 7 third layer that falls within that one to two 8 millimeters. 9 So what we say is, when you look 10 at that, can you actually see and discriminate 11 in real time whether there is a color change at that point and can you see a difference, because 12 13 it's not just that there is an observable 14 change, it's not just that there is an 15 observable change that's happening at all 16 thicknesses, what this is as Dr. Mays, he says 17 it's applied several times. With each 18 application the color of the green mixture turns 19 a deeper green color. So if the observable 20 change is getting darker green, that's happening 21 at all thicknesses. 22 And then he says also the 23 visibility of the segmented line becomes reduced 24 or obscured with all applications. So again,

1 the obscurity is happening at all thicknesses. 2 So the observable change cannot be a generic 3 it's getting darker green or it's getting more 4 cloudier. That's because that's what the claim 5 construction require. It says you have to be 6 looking at a change in color or transparency of 7 the hydrogel and it has to be correlated with a 8 thickness of hydrogel such that the change can 9 be used to indicate the crosslinked so you have 10 your predetermined thickness. 11 So our experts looked at this, they looked at their allegations, all of their 12 13 opinions are related to what they have accused 14 which is a one to two millimeter predetermined 15 thickness range. 16 THE COURT: All right. So in your 17 view, the darker green is not enough to be 18 infringement? 19 MR. PIVOVAR: So you have to 20 connect it all up, if you let me go through a 21 couple of slides. 22 THE COURT: I'll give you a 23 couple. You made these arguments for months, 24 and I'm still having trouble following them.

MR. PIVOVAR: Right. Go to the next slide. So here, this is a thickness and color. Go to the next slide. So you have your one to two millimeter predetermined thickness.

Go to the next slide. This is the observable change in the predetermined thickness range, so it's getting darker all through here, but you need to have the changes that are happening here. But there are observable changes happening below and above.

So the point is if you're going to say that you're going to find an observable change that's in the one to two millimeter range, it has to be this particular range, not up here that's outside the predetermined thickness and not down here that is outside the predetermined thickness.

So what we talk about our experts say if you're doing this and you're going to actually apply the claim, you have to be able to match this particular range of colors across that thickness in multiple applications. And I can see that, I don't want to keep on going with this. That's our position. I just want to make

```
1
       sure you understood it.
                     THE COURT: Well, I'm not sure.
 2
 3
       So can it be a darkening shade of green or can
 4
       it not in your expert's opinion?
 5
                     MR. PIVOVAR: It can be the
 6
       darkening shades of green that occur within the
 7
       predetermined thickness. So the answer --
8
                     THE COURT: What if they're
 9
       occurring in other thicknesses as well?
10
                     MR. PIVOVAR: So when you say
11
       they're occurring, do you mean the specific
12
       shades of green?
13
                     THE COURT: Yes.
14
                     MR. PIVOVAR: So this is one
15
       application. So I just have one, we have what
16
       happens there. If you go to the next slide. Go
17
       to the next slide. Go to the next slide.
18
       Right.
19
                     So what we have here is there is a
20
       correlation requirement. So in this, you have a
21
       changing shade of green that's happening in a
22
       certain range, you get thicker, if it doesn't
23
       happen the same way, if you see these colors
24
       that you're looking for and they occur above two
```

1 millimeters, then there is no correlation. 2 if I was looking for these colors when I applied 3 this, I wouldn't know where to stop. I would 4 stop somewhere up here which is not in the 5 predetermined thickness range. And if it's down here it's too thin. That's how we looked at 6 7 this is that there is a subset of a shade of 8 greens that falls within the one to two 9 millimeter range, and then that's what needs to 10 be correlated and that's what you need to look 11 for. 12 THE COURT: Do you understand what 13 just said to be the -- I got it here as the 14 fourth argument that the plaintiffs are saying 15 you're making that is inconsistent with claim 16 construction, that is whether you narrowed the 17 predetermined range to a single thickness? 18 MR. PIVOVAR: No, because the 19 predetermined thickness range for our experts is 20 one to two millimeters, so we're not narrowing 21 it to any single thing, we're saying it's this 22 range. 23 THE COURT: I'm just asking if you 24 understand what you're arguing now to line up

```
1
       with the fourth argument that the plaintiffs
 2
       made?
 3
                     MR. PIVOVAR: No.
 4
                     THE COURT: So it's a whole
 5
       separate issue.
 6
                     MR. PIVOVAR: Can you go to the
 7
       next slide, maybe. So what our expert said was
8
       such a color change indicates a predetermined
 9
       thickness of one to two millimeters. We are
10
       talking about the range and all the colors
11
       within that range, so we haven't narrowed it,
12
       for our noninfringement argument we haven't
13
       narrowed it to a single range.
14
                     THE COURT: Let's come back to the
15
       plaintiff's argument. They're saying your
16
       expert is requiring a categorical change in
17
       color in order to show infringement. You've
18
       already told me we're not going to offer a
19
       noninfringement to say that we don't have a
20
       categorical change in color. Is that correct?
21
                     MR. PIVOVAR: That's correct.
22
                     THE COURT: They say that your
23
       expert is requiring a specific color for a
24
       specific thickness and the user must understand
```

```
1
       that. Are you going to offer that as a basis
 2
       for noninfringement?
 3
                     MR. PIVOVAR: So what we are
       offering, if you go back to the previous slide.
 4
 5
                     THE COURT: Can you first try to
 6
       answer yes or no, are you going to offer that
7
       opinion or no?
8
                     MR. PIVOVAR: So the answer -- I'm
9
       sorry, can you just -- I got hung up on a just a
10
       little word of that how it was phrased.
11
                     THE COURT: I was just
12
       paraphrasing. You heard the argument, I think
13
       you're pretty familiar with it at this point.
14
       They say that your expert is reading in a
15
       requirement of a specific color for a specific
16
       thickness and that the user must understand it.
17
       Is that going to be any part of your
18
       noninfringement opinion?
19
                     MR. PIVOVAR: No. It's going to
20
       be that range.
21
                     THE COURT: And then they also say
22
       that your expert is going to say that the user
23
       must match from memory how the initial color
24
       changes to a final color. Is that part of your
```

1 noninfringement case? 2 MR. PIVOVAR: Part of our 3 noninfringement case is that for the claims to have an indication of a predetermined thickness, 4 5 you have to know that you're in the range when 6 you have the observable change. So it's not a 7 match to a specific color, it's a match against 8 the range of colors that you can see against one to two millimeters. 9 10 THE COURT: So yes, that is part 11 of what you're going to argue is missing from 12 your product and therefore is a basis for 13 finding of noninfringement? 14 MR. PIVOVAR: Not a singular 15 color, it's the range of colors that could be 16 between one and two millimeters if you could 17 show a correlation. 18 THE COURT: Is the user going to 19 have to match from memory? 20 MR. PIVOVAR: The user should know 21 prior to application what the visual change will 22 be once the predetermined thickness is matched. 23 THE COURT: And you want to argue at this trial that if the user doesn't know that 24

```
1
       with respect to your product, then you do not
 2
       infringe?
 3
                     MR. PIVOVAR: That's right, Your
 4
       Honor.
 5
                     THE COURT: So this third one, you
       are hoping to offer these opinions; correct?
 6
 7
                     MR. PIVOVAR: That's right.
8
                     THE COURT: Now, what about for
9
       invalidity, let's go through all three of them
10
       again. For invalidity you do want to argue that
11
       the patent is invalid somehow on one or more
12
       bases because of something related to this
13
       categorical change in color requirement. Right?
14
                     MR. PIVOVAR: That's right.
15
                     THE COURT: And for which opinions
16
       is that going to be relevant?
17
                     MR. PIVOVAR: It's relevant to
       lack of enablement and I believe there is a lack
18
19
       -- so it's the 112 issues, there is a lack of
20
       written description for.
21
                     THE COURT: Okay. How about this
22
       opinion about the specific color for a specific
23
       thickness that the user must understand, is that
24
       part of your invalidity case?
```

2.7

```
1
                     MR. PIVOVAR: I believe that that
 2
       would be part of the full scope of the claims,
 3
       but it's not strictly something that's required.
 4
                     THE COURT: It's not required?
 5
                     MR. PIVOVAR: No, for our
 6
       opinions. So what you just mentioned is one of
 7
       the full scope of the embodiments, but our
8
       arguments are a little bit broader.
9
                     THE COURT: So is it fair to say
10
       for this, whatever was articulated as the second
11
       thing that the plaintiffs say that the
12
       defendants want to do is inconsistent with the
13
       claim construction is not part of this case,
14
       defendants aren't offering that as basis for
15
       noninfringement and it's not being offered as a
16
       basis for invalidity?
17
                     MR. PIVOVAR: We don't believe so,
18
       Your Honor.
19
                     THE COURT: You don't believe
20
       you're offering it or you don't believe you are
21
       offering it?
22
                     MR. PIVOVAR: And I apologize if I
23
       didn't --
24
                     THE COURT: Let me put it this
```

1.3

way. If they articulated a second addition to the claims that they say your experts are reading in that isn't there, if I understood you correctly, you're saying that's not part of our noninfringement and now you're saying it's not part of our invalidity case. So I take it you don't object to me entering an order saying your experts are not going to opine and you're not going to offer evidence with respect to what they have identified as the second thing that you have added to the claim.

MR. PIVOVAR: I just want to make sure, the second thing we have added to the claims. It's the specific color at a specific thickness?

MR. ALTHERR: Yes, Your Honor.

The second one, the way we read Dr. Lowman's report is that he's requiring the user apply a standard of a specific thickness or a specific -- a specific color to achieve a specific thickness in order to meet the observable change in the predetermined thickness limitation of the claim, not a range of thicknesses, not a range of colors, because that's not in his expert

1 report. 2 THE COURT: All right. 3 MR. PIVOVAR: So listening to that again, it's a question of what is required by 4 5 the claim and what is allowed by the claim. 6 that embodiment that they just described is 7 actually allowed and described explicitly in the 8 specification, where it says the user applies a 9 test application, looks at the color and then in 10 use applies it to that color. That's one part of it. 11 12 The second part is the 13 predetermined thickness construction says a 14 singular or a range of thicknesses. So one 15 embodiment of all of that is you have a single 16 thickness and you have this apply a test 17 application and then you stop when you see the 18 color. When you meet those two up, that falls 19 within the scope of the claim. From an 20 inclusion standpoint, yes. From a requirement 21 of the claims standpoint, no, Your Honor. 22 THE COURT: So as I understand 23 that, it's not going to be part of your 24 noninfringement case, but it is part of your 112

1 invalidity case. 2 MR. PIVOVAR: Exactly. Thank you, 3 Your Honor. THE COURT: And then this third 4 5 one, though, about matching from memory the 6 initial color to the final color, that is part 7 of your noninfringement case, and I think also 8 part of your invalidity case. Do I have that 9 right? 10 MR. PIVOVAR: So it would 11 follow -- for the invalidity it would follow the example I just talked about in the specification 12 13 where is said the user does a test and the user 14 applies the material until the test color is 15 achieved. That's the part for invalidity. 16 For noninfringement it really is 17 just with respect to what the R&R order said 18 about the user must know prior to application 19 what will be the visual change caused by the 20 visualization agent once the predetermined 21 thickness is reached. 22 So the claims require that it has 23 to be used as an indication of a predetermined 24 thickness. Obviously if you don't know what I'm

1 looking for, it can't indicate to me that I'm 2 there. 3 THE COURT: That's not obvious to 4 Don't we see things all the time that you 5 weren't aware before you saw them that what they 6 were going to mean to us when we saw them? 7 MR. PIVOVAR: I think that is true 8 -- so, also, if it said a relative thickness and 9 we want to say it's getting thicker, you can see 10 that. You don't have to do multiple 11 applications. But I don't know how it can be 12 used -- if you're going to have a visually 13 observable change which is a change in color or 14 transparency to hydrogel in the context of the 15 accused products where it is continuously 16 changing both below and above the predetermined 17 thickness range, that you could use either of 18 those metrics to tell you when you're within the 19 range. If you don't know if you're looking at a 20 visual change that's below one to two or above 21 two, you have to be able to know that you're 22 actually in that range. And the only way you 23 can know that is if you knew what you were 24 looking for before. Which I think is why Judge

1 Burke came to this conclusion about what the 2 claim means in this R&R order. 3 THE COURT: All right. Did you understand there to be anything further that the 4 5 plaintiffs are accusing you of trying to make 6 part of your noninfringement or invalidity case 7 that is inconsistent in their view with the 8 claim construction, other than these at least 9 three issues that we have sort of just talked 10 through. 11 MR. PIVOVAR: The paragraphs that 12 I identified in the submission for you yesterday 13 go way beyond these issues, Your Honor, way 14 beyond. We have issues, if you recall, there 15 were three different aspects to the claim 16 construction that Mr. Iwanicki raised, and as 17 part of what Judge Burke said in his order, is 18 he said there is these three requirements, and 19 in light of this, I don't find that how 20 Dr. Lowman, our expert, described these three 21 things as inconsistent with the Court's 22 construction. 23 So what it is, there is a 24 causation requirement, the visualization agent

1 has to cause the visually observable change. 2 They're looking now in all the paragraphs they 3 identified to you to throw all of those out. 4 Even experiments that Dr. Lowman performed that 5 have nothing to do with claim construction, Your 6 Honor, they're looking to throw out. 7 If we look -- what I have done 8 here is I have taken and highlighted all of the 9 places that the plaintiffs are asking to be 10 stricken. It's just essentially everything 11 about our invalidity defenses. And if you look 12 at Dr. Lowman, he provided a set of experiments. 13 He said I made hydrogels using these products 14 because I wanted to show that it's the air 15 bubbles that are causing the visual changes that 16 you're looking at, not the dye. 17 So this is only a dispute about 18 what is the visualization agent. It doesn't 19 have anything to do with the predetermined 20 thickness. What you see, Your Honor, is they, 21 the plaintiffs, want to strike that opinion. 22 They want to strike these experiments that we 23 rely on. And they just have page after page, 24 and so much of this is not even directed to any

1 of these predetermined thickness issues, they're 2 directed to other aspects of the claims. 3 So I understand from their request 4 is they're essentially asking you to throw out 5 every single aspect of what our experts have 6 done on any predetermined thickness claim, not 7 just with respect to the issues that we raised 8 here today. 9 THE COURT: Let me bring them back 10 here. Thank you. 11 Mr. Iwanicki, if you could come 12 back. First of all, I didn't even think we had 13 come to the visualization agent yet. Are you 14 asking me for some relief with respect to their 15 opinions on visualization agent? 16 MR. IWANICKI: Your Honor, the 17 three things are linked together. You can't 18 have an observable change without a 19 visualization agent and the observable change is 20 used to indicate a predetermined thickness. So 21 they are all tied together to a certain extent. 22 But I did want to look 23 specifically with -- Your Honor, this issue of 24 whether something is inside the scope of the

1 claim within the scope of the claim for purposes 2 of enablement or written description or whether 3 it's required by the claim is a red herring. 4 mean, you can have -- you can get a patent on an 5 automobile comprising a steering wheel, chassis, 6 four wheels and an engine and you can enable 7 that and you can provide a written description 8 for that. They come along and say wait a 9 second, a Maserati is within the scope of the 10 There is nothing in there with respect claim. to a description of a Maserati. We don't have 11 12 to enable a Maserati, you enable what the claim 13 is and look at whether or not it provides an 14 adequate written description that teaches one of 15 ordinary skill in the art how to practice that 16 claim. 17 THE COURT: That might be a fine 18 argument on the merits, but let's pick up I 19 guess where they left off. 20 MR. IWANICKI: Sure, Your Honor. 21 THE COURT: On infringement, they 22 tell me if I understand them correctly, they're 23 not offering either of the first two 24 requirements that you identified as a basis for

1 noninfringement. That seems like a pretty clear 2 representation. It seems to me, therefore, 3 there is nothing to strike with respect to their 4 offered opinions on noninfringement with respect 5 to those first two purported additional 6 limitations. Do you agree with that? 7 MR. IWANICKI: Yes, Your Honor, if 8 their representation is that they will not 9 bring -- if they will not bring opinions whether 10 it's based on those, but based on the first one, 11 the categorical change theory and the specific 12 thickness or a specific color for a specific 13 thickness, Your Honor, I would agree with you 14 that if that's their representation, then we 15 won't expect to see the portions of the expert 16 report being repeated by Dr. Lowman up on the 17 stand with respect to those opinions. 18 THE COURT: With respect to those 19 opinions for purposes of noninfringement? 20 MR. IWANICKI: For purposes of 21 noninfringement, yes. 22 THE COURT: Now, the third one 23 they say they are, at least as I understand it, 24 reserving the right to offer it as a basis for

```
1
       noninfringement about the matching from memory.
 2
                     MR. IWANICKI: Okay.
 3
                     THE COURT: So I guess respond to
 4
       that.
 5
                     MR. IWANICKI: Sure. The color
 6
       matching from memory, Your Honor, was the
 7
       creation of Dr. Flombaum. And he's the one who
8
       is providing the opinion on which Dr. Lowman
 9
       provides his opinion that there must be a color
10
       matching from memory. In other words, you have
11
       to have a specific color in mind and you have to
12
       observe when that specific color is reached.
13
                     From what I understand on the
14
       motion to strike, Dr. Flombaum's report is
15
       mostly stricken and he will not be able to
16
       provide an opinion with respect to color
17
       matching from memory. With that in mind,
18
       Dr. Lowman isn't going to be able to provide an
19
       opinion with respect to color matching from
20
       memory because he relies on what Dr. Flombaum
21
       has said.
22
                     So it gets to the issue of do they
23
       have anything left after Dr. Flombaum's --
24
                     THE COURT: That's a whole
```

separate issue it seems to me, but if they do have something left, why should I find that it is adding a limitation to the claims that aren't really there to say look, you have to have some understanding of what you're looking for in order to know what you're seeing.

MR. IWANICKI: I think, Your

Honor, that to a certain extent, yes, you need

to be able to understand whether or not you have

a -- you reached a predetermined thickness based

upon an observable change. What the Court has

said with respect to that is the Court recently

explained in resolving the parties' summary

judgment motion regarding the predetermined

thickness claims, a reasonable juror could agree

with Dr. Mays' application of relative

constructions and view a change in color of the

hydrogel observable to the human eye as being

satisfied by a hydrogel that goes from a green

tint with gaps to an even green color.

And so to a certain extent when you're applying this and looking at it when applying it, you can go from a green tint with gaps to an even green color and that is the

1 observable change that indicates the 2 predetermined thickness. So you don't 3 necessarily need to have this colored matching from memory requirement in the claims. And if 4 5 it is a requirement of the claims, they're 6 saying that the user has to understand that 7 that's my starting point and that's my end 8 point, the Court did not require that at all of 9 the claims and that's -- that position is 10 inconsistent with what the Court said the claims 11 mean. Then the Court continued: It does 12 13 not jive with Dr. Lowman's requirement for the 14 matching of a specific color or a transparency 15 to another color or transparency because 16 Dr. Mays' articulation does not necessarily 17 describe a change to one specific shade of 18 green. 19 The Court concludes that because 20 expert testimony is inconsistent with the 21 Court's claim construction it's unreliable. 22 Court concludes that Dr. Flombaum's opinions 23 narrow the predetermined thickness requirements 24 beyond the Court's construction and they are

1 stricken. 2 THE COURT: So to the extent their 3 expert wants to opine that you need to have some 4 understanding of what you're looking for, which 5 includes by implication some understanding 6 before you even start what it is you're going to 7 be looking for to see if you're within the 8 scopes of the claims as you start practicing, 9 you say that that is something that's not in the 10 claims or that is something that's in the 11 claims? 12 MR. IWANICKI: Yes, Your Honor, 13 the visualization agent causes an observable 14 change. You have to see what it was before and 15 what it is after and that indicates a 16 predetermined thickness. That's what we have 17 been saying all along. 18 What they're saying is that no, 19 it's even narrower than that. And besides, 20 Dr. Lowman doesn't have such an opinion in his 21 report. All of his opinions are based on the 22 three narrowed claim constructions that we talk 23 about in order to avoid infringement. THE COURT: What about this fourth 24

1 thing that you think you identified about the 2 range versus the single point, where are we on 3 that? Do you think they're trying to offer that 4 based on what you heard? 5 MR. IWANICKI: I'm not sure I understand what they're offering with respect to 6 7 the range because certainly the Court concluded 8 that it doesn't have to be a specific thickness, 9 it could be a range of thicknesses where you 10 reached the predetermined thickness. 11 THE COURT: Okay. And so that's 12 infringement. On invalidity, if I understand 1.3 correctly, they are going to argue that all 14 three of these are pertinent to invalidity 15 analysis at least for 112 purposes. Your view 16 is that that's not a meritorious defense, but 17 are you also arguing that it's somehow 18 inconsistent with the Court's claim 19 construction? 20 MR. IWANICKI: Yes. 21 THE COURT: Help me to understand 22 that. 23 MR. IWANICKI: Because the Court 24 did not provide an opinion that says that

1 categorical change is inside the scope of the 2 claim, it did not provide an opinion that color 3 matching from memory is inside the scope of the 4 claim. 5 THE COURT: Did we provide an 6 opinion somewhere that those things are not 7 within the scope of the claim? 8 MR. IWANICKI: Yes, I think in 9 determining what the claim meant, that's what 10 they argued it meant, and the Court said no, no, 11 no, those required unnecessary limitation so I'm not going to require those to be in the scope of 12 13 the claim. 14 THE COURT: I don't think I 15 followed that. In general what I thought we 16 were arguing is that they were trying to add 17 limitations that would narrow the scope of your 18 claims to a narrower -- to make them narrower 19 than they really are. Isn't that part of what 20 you're arguing? 21 MR. IWANICKI: Yes. 22 THE COURT: If I agree with you 23 that some of what they were trying to do perhaps 24 would narrow your claim scope, to narrow then

1 what you really possess, how is that finding in 2 any way a finding that some of the embodiment 3 that they say are within the scope of your 4 claims for invalidity purposes are not actually 5 part of the scope of your claims? 6 MR. IWANICKI: I think it goes to 7 the issue becomes one of whether or not they're 8 setting up these species if you will, and 9 they're saying that you have to enable these 10 species. And what I'm saying by species are 11 those narrower limitations of the claim which the Court said we're not allowed. So the 12 13 position that they have is the claim is invalid 14 because it doesn't teach those particular 15 species, but the claim is much broader, we don't 16 have to teach these species, we don't have to 17 enable those species. 18 THE COURT: Why isn't that an 19 argument about what I should tell the jury on 20 enablement as opposed to whether or not the 21 expert is doing something inconsistent with the 22 claim construction? 23 MR. IWANICKI: Because they do not 24 have an alternate opinion. They do not have

```
1
       Dr. Lowman's words saying otherwise.
 2
                     THE COURT: All right. Thank you.
 3
                     Anything further you want to say
 4
       on this?
 5
                     MR. PIVOVAR: If I could briefly,
 6
       Your Honor.
 7
                     THE COURT: Yes.
8
                     MR. PIVOVAR: I just wanted to
 9
       come back to one thing about the Dr. Flombaum
10
       and Dr. Lowman about how they have interpreted
11
       the claims and whether they have narrowed it,
12
       because they keep on saying it's been narrowed
13
       to a single color and single thickness. If you
14
       look at what we submitted, this was in our
15
       objections, you can see how Dr. Flombaum
16
       explained what Dr. Lowman explained to him about
17
       what the scope of the claim is. He's talking
18
       about it's the range of colors that indicate
19
       that the appropriate thickness has been
20
       achieved. He's saying the accusation of
21
       infringement, he's saying it's the range of
22
       colors, range of colors and that range of
23
       thickness.
24
                     You can see when they're applying
```

this, the words have been distorted as part of what they're saying and respectfully what Judge Burke opined, they are not limiting the claim for noninfringement in the way that they're saying, they're taking that all into account.

The second point I would like to make, Your Honor, is that nothing -- they haven't really said anything about what their actual infringement opinions are with respect to the observable change they're pointing to in the accused products. And it's just a cornucopia of different things. They say well, it's the even deep green color, so we respond to that and say well, it can't be just any deep green color, it has to be the ones that are in the predetermined thickness range.

Then they talk about the even green color and Mr. Iwanicki pointed out that we have this opinion and Dr. Mays said this. In response to their summary judgment brief we had counter arguments to noninfringement that didn't necessarily require addressing every argument they made, but if you look at what he said about the even green color, you can see what

Dr. Lowman says in response. He's got a direct response to their opinion that the even green color is the observable change that indicates a predetermined thickness. And he goes directly to that. That has nothing do with any of these color matching or memory matching. He's just saying you don't have a correlation in the plaintiff's argument for this even green color. He says he can't correlate an even green color because you saw the video, it's an even green color at all thicknesses.

And they're asking you to strike our exactly responsive noninfringement arguments that have nothing to do with any of this memory match. It doesn't have anything to do with the single color at a single thickness issue. This is what they're asking for now. So I just want to point that particular piece out.

And then the rest of the issues that we have, Your Honor, they are all responsive. There is a range of thicknesses, a range of colors, and we think that they should be allowed to come and actually present their opinions at trial.

1 If Your Honor has no further 2 questions. 3 THE COURT: No. So you know, I'm 4 trying my best to help you all have clarity 5 about what's going to happen at this trial, but 6 clearly there are limits to how much we can 7 figure out before trial. I will say this with 8 respect to what's already been argued -- you can 9 have a seat. 10 MR. PIVOVAR: Thank you. 11 THE COURT: First as I think I 12 made clear in my order and as I don't think is 13 disputed, if I'm persuaded that a particular 14 opinion or evidence is inconsistent with the 15 Court's claim construction, it will not come in, or it will be stricken. 16 17 If on the other hand I'm persuaded 18 that certain evidence or opinions are simply 19 disputes over how the claim construction is 20 applied, either for purposes of infringement or 21 invalidity, that's part of what the trial is 22 about and that evidence or opinion will come in. 23 With respect to the specifics that 24 have been argued, as I understand it there were

1 four particular identifications where the 2 plaintiff accuses the defendant of trying to 3 introduce evidence and opinion that is inconsistent with the Court's claim 4 5 construction, and accuses the defendant of 6 wanting to do so with respect to both 7 noninfringement and invalidity. 8 Turning first to infringement, 9 what the plaintiff identified as one and two I 10 now understand are not being offered as a basis 11 for noninfringement, and I hereby order that 12 they will not be offered as a basis for 13 noninfringement. 14 With respect to number three, 15 which I understand, and number four, which I 16 understand the defendant is at least reserving 17 the right to present evidence and argument as a 18 base for noninfringement on the points three and 19 four, I am going to have to make decisions at 20 trial about those. It does seem to me that some 21 of what the defendant is proposing to argue as a 22 basis for noninfringement would be not 23 inconsistent with the Court's claim

construction. I'm not prepared to say that they

24

1 can't do any of what they propose to do with 2 respect to three and four as a basis for 3 noninfringement. So we're just going to have to 4 Obviously we have a procedure, at least 5 when it comes to the direct testimony that the defendant will seek to elicit from its expert 6 7 that they're going to have to identify the 8 exhibits in advance that they intend to use, 9 they're going to have to identify the 10 demonstratives that they intend to use in 11 advance. The plaintiff can raise objections to 12 those. If and when the defense experts get on 13 the stand, the plaintiffs have a right to object 14 to specific questions as seeking opinions that 15 are beyond the scope of what was previously 16 disclosed by the expert. And everyone retains 17 their right to argue that particular evidence in 18 argument is inconsistent with the Court's claim 19 construction ruling. 20 Beyond that on one through four 21 for infringement, I can't do any better than 22 that today. 23 With respect to invalidity, I am 24 not ruling out any of what the defendants

1.3

proposed to do on points one through four, which is all we have talked about to this point in the proceeding today. I am not persuaded at this point that any of what the defendants are proposing to do with respect to those points one through four on invalidity is consistent with the Court's claim construction.

A dispute about what is inside the scope of the claims or outside the scope of the claims may come up in the context of what I should instruct the jury as to enablement or other 112 defenses. And again, all parties have the right to object to particular expert testimony as being outside the scope of what was previously disclosed. But on this narrow question of are the defendants trying to do something inconsistent with the court's claim construction, I'm not persuaded at this point they are. And the plaintiff can take another shot in the context of the trial if they think I have gotten that wrong.

Let's move on at a greater pace with plaintiffs on to the other things that you think are inconsistent with the claim

```
1
       construction.
 2
                     MR. IWANICKI: Your Honor, just
 3
       one question.
 4
                     THE COURT: Come up to the podium.
 5
                     MR. IWANICKI: Sorry.
                     In view of your order, is
 6
 7
       Dr. Flombaum going to be allowed to testify on
8
       the color matching from memory?
 9
                     THE COURT: You all are going to
10
       have to work on that. I have done the best I
11
       can.
12
                     MR. IWANICKI: Thank you, sir.
13
                     THE COURT: But stay with us if
14
       you want to argue that there are other issues.
15
       I think you had claim 10 indefiniteness and
16
       visualization, so if you think that there is
17
       something that the defendants are seeking to do
       that's inconsistent with the Court's claim
18
19
       construction on either of those points, let's
20
       talk about that.
21
                     MR. IWANICKI: Yes, Your Honor.
22
       think that the position with respect to claim 10
23
       and its indefiniteness is based on Dr. Lowman's
24
       opinion that in my opinion the separate
```

application of two hydrogel formed materials to the tissue would be the only definite way to interpret the claim language.

This claim requires a couple of things. It requires mixing reactive precursor species such that the functional groups crosslink after contact with the tissue, and then the hydrogel is formed within five seconds after contact with tissue.

The position that they're advancing with respect to indefiniteness is that the only interpretation that makes sense in that claim is if both components are applied directly to the tissue because that's when crosslinking begins.

Now the Court found that that was not an appropriate interpretation of the claim. The Court held that there could be some -- the functional groups of the reactive precursor species are mixed in such a way that some but not necessarily all crosslinking occurs after the composition makes contact with the tissue. So it specifically excluded Dr. Lowman's understanding of the claim on which his

5.3

1 indefiniteness position is based. And it also 2 said that the way you can tell when a hydrogel 3 is formed within five seconds after contact with 4 the substrate is that hydrogel materials form 5 visible and solid aggregate. And Dr. Lowman 6 testified, on which Judge Burke relied, is the 7 way you determine that is by visual inspection 8 by looking at it. 9 So our position, Your Honor, is 10 the way the Court construed the claim they don't 11 have an indefiniteness opinion or indefiniteness opinion with respect to claim 10 because that's 12 13 based on their understanding of the two 14 precursors being applied simultaneously or one 15 after the other to the tissue directly. Since 16 the Court was able to construe the claim, we 17 don't think that they have an indefiniteness 18 position. And to the extent they want to bring 19 that, that's inconsistent with the Court's claim 20 construction. 21 THE COURT: Thank you. Let me 22 hear the response to that. 23 MR. PIVOVAR: So Your Honor, the 24 indefiniteness positions were spelled out.

There was a mixing aspect and then there was what does it mean to form the hydrogel within five seconds. And the reason for that, you have a five second requirement in claim 10, and so what you need is when do I start and when do I stop, and what's the time for that.

So Dr. Lowman looked at the claims, he said well, if you're going to do this, you have to look at it and you have to know when are you mixing and when are you starting the clock. And the Court has resolved that, yes. But we have a pending objection on what does it mean on the stop.

So from the perspective of what
the Court said about what mixing is required and
what the start point is, the Court just said it
starts when you hit the tissue. Right? The
question is, when does that end. So when it
comes to the indefiniteness issue, that's what's
still pending from our perspective, not the
mixing, the Court resolved that. We obviously
disagree, we'll appeal it and all that stuff,
but for the purposes of this, we are not going
to say there is an indefiniteness issue with the

```
1
       mixing, it's more about how long does it take
 2
       and what is the hydrogel formation issue, which
 3
       you had before.
 4
                     THE COURT: Right. That I think
 5
       is perhaps the most recently briefed set of
 6
       objections, the ones that relate to claim 10
 7
       summary judgment; correct?
8
                     MR. PIVOVAR: That's right, Your
9
       Honor.
10
                     THE COURT: And that's where Judge
11
       Burke recommended certain findings of
       infringement. And you say if I were to agree
12
13
       with that, then the claim is indefinite; is that
14
       right?
15
                     MR. PIVOVAR: What we say is --
16
       can you put the slides up really quickly?
17
                     THE COURT: Let me put it this way
18
       and maybe we'll move into that argument next.
19
       But if I agree with Judge Burke and adopt that
20
       R&R over your objections, do you still have an
21
       indefiniteness opinion that you think you can
22
       present at trial?
23
                     MR. PIVOVAR: So the answer to
24
       that is I believe we would, but I think that
```

1 some additional clarity would maybe resolve it 2 and be helpful for the parties just with respect 3 to what is happening, because there are a lot of 4 technical issues, there are a lot of scientific 5 things and there are some things there that are inconsistent as a technical matter to say that 6 7 you have a fully cured hydrogel that's a visible 8 solid aggregate, but then pointing to evidence 9 of times that are related to a set time or a gel 10 time, because those are all different things. 11 THE COURT: It seems to me that perhaps I have to first decide if I'm adopting 12 13 his R&R on infringement before I can maybe reach 14 this indefiniteness question. 15 MR. PIVOVAR: That's what I was 16 going to say. If that's still pending, 17 depending on how that gets resolved, it will 18 depend on whether we have this bookend, but 19 we'll agree that the mixing part we didn't 20 object to that part. We understand what that 21 is. It's more on this claim 10 issue, which I 22 think you prioritize that one down. 23 THE COURT: I will come back to that. 24

1 MR. PIVOVAR: We got pretty 2 pictures. 3 THE COURT: I see that. All right. You agree that some of these issues are 4 5 also tied up in the pending objections with respect to summary judgment of infringement of 6 7 claim 10, do you agree with that? 8 MR. IWANICKI: I do to a certain 9 extent except that infringement and invalidity 10 are separate issues. And if, in fact, Judge 11 Burke said that all you need to do in order to 12 be definite to determine whether a hydrogel 13 forms within five seconds after contact with a 14 tissue is visually observe it, we think that's 15 the end. That's what the judge said. He said I 16 know how one of skill does that, Dr. Lowman 17 knows how one of skill does that, you look at it 18 and you see if it forms a visible solid 19 aggregate. That's the issue that we're talking 20 about here. That's different from to a certain 21 extent the summary judgment of infringement, 22 because they're going to allege that even if 23 there is -- you do agree with Judge Burke that 24 there is infringement there, they are still

1 going to come back and say there is this whole 2 issue with gel time, is it cured, fully cured. 3 None of that is in the claim, Your Honor. Judge Burke decided what the claim meant. 4 5 THE COURT: All right. We'll come 6 back to this when we get to the claim 10 summary 7 judgment. Do you have any other arguments? 8 think you referenced visualization agent, either 9 that or any others, where you see something that 10 the defendant is going to argue at trial that you think is inconsistent with the claim 11 12 construction? 13 MR. IWANICKI: Your Honor, I think 14 we went through all of the headings that are in 15 our submissions and I don't see any other 16 issues, Your Honor. 17 THE COURT: Thank you. 18 Let's give the defendants a chance 19 to come up. It seemed to me there were maybe 20 two general areas that you thought the 21 plaintiffs were going to argue or present 22 evidence inconsistent with the claim 23 construction. Am I right at least to that 24 point, are there two?

```
1
                     MR. PIVOVAR: There are two.
                                                    The
 2
       first one with respect to whether the hydrogels
 3
       from the prior art we had as Your Honor is well
 4
       aware, we had a long detour and a side show of
 5
       the case that went to this particular issue.
       When it was resolved, how the Court resolved the
 6
 7
       claim construction, I think it is pretty
8
       straightforward that all of the arguments that
 9
       their experts had about why the prior art
10
       hydrogels were not biocompatible is effectively
11
       out. I don't know whether they disagree or not.
12
                     THE COURT: One of your categories
13
       was the biocompatible composition limitation;
14
       correct?
15
                     MR. PIVOVAR: That's correct.
16
                     THE COURT: And you believe that
17
       they intend to offer something inconsistent with
18
       the Court's construction of biocompatible
19
       composition?
20
                     MR. PIVOVAR: The expert reports
21
       that they have are there. I would hope that
22
       they would.
23
                     THE COURT: Let's stop there.
24
       Let's see. Are we ready to get agreement on
```

1 that? 2 MR. IWANICKI: No, Your Honor. 3 THE COURT: Come tell us what you 4 propose to do. 5 MR. PIVOVAR: This is just for the 6 hydrogel part. We'll get to the barium sulfate 7 issue second; right? 8 THE COURT: Okay. 9 MR. IWANICKI: Your Honor, I think 10 that one of the tensions with respect to this 11 claim and how it was interpreted is that we're 12 looking at claim 10 and claim 10 says the 13 composition suitable to coated tissue of a 14 patient. And we originally argued that was a 15 limitation of the claim and that it includes as 16 an aspect a biocompatible hydrogel. And the 17 Court agreed with us. 18 And so in Dr. Mays' opening expert 19 report, he talks about biocompatibility. We get to this next phase of well, what does the term 20 21 biocompatible hydrogel mean or biocompatible 22 composition, and the Court determined that that 23 meant that a hydrogel or composition formed from 24 crosslinked biocompatible precursors. And so

1 essentially what the Court did is it said, I'm 2 not going to tell you what biocompatible means, 3 but I'm going to tell that biocompatible 4 composition is formed from biocompatible 5 precursors and turns out it still remains in the claim. And so one of ordinary skill in the art 6 7 is going to need to know what that terms means. 8 And so we think it's fair with 9 respect to the term biocompatible as a part to 10 the phrase biocompatible precursor or 11 biocompatible hydrogel or biocompatible 12 composition that we should be able to provide 13 testimony as to what one of ordinary skill in 14 the art would understand that term in the claim 15 to mean. And so we think that because the claim 16 is in the -- the claim term is within the claim, 17 that the Court did not provide us with any 18 guidance as to a definition of biocompatibility, 19 that we're left to presenting our expert's 20 opinion as to what that means. 21 There is another issue here, Your 22 The term simple coated tissue of a 23 patient does not only mean a biocompatible hydrogel, there are also aspects of what makes 24

something suitable coated tissue to the patient, it's adherence. It's structural integrity. And all of those opinions that we have relate to -- and it's also toxicity of the things that you add in that aren't the precursors.

So what they're asking to be stricken wholesale from all of these reports is a lot of stuff related to whether barium sulfate is going to be suitable -- when placed in a hydrogel is suitable to coated tissue of a patient, is it going to provide adherence? They want that stricken. Is it going to provide structural integrity? They want that stricken. It's not limited to simply quote the definition of biocompatibility.

I went through yesterday we were provided with all of the citations from Mays' report, all of the citations in his rebuttal report as well as his two other reports and I went through all of them, and I have notes that actually identify -- this has nothing to do with biocompatibility. It relates to biodegradability. There is nothing in that paragraph that talks about biocompatibility.

```
1
       And so what they're trying to do is wipe away
 2
       this whole aspect of reteaching that it's barium
 3
       sulfate and it's thicker than collagen somehow
 4
       is not a biocompatible -- or it is a
 5
       biocompatible hydrogel when clearly all that is
 6
       required for a biocompatible hydrogel is that it
 7
       be formed from biocompatible precursors.
 8
       Whether you add something like barium sulphate
 9
       which is a toxic substance to it, that's not
10
       inconsistent with the Court's claim
       construction. That's not a biocompatible
11
       precursor. But they're looking to exclude all
12
13
       of that stuff, Your Honor.
14
                     THE COURT: Thank you. Now I'll
15
       give defendant a chance to argue why you think
16
       that is inconsistent now that we know that you
17
       want to do it.
18
                     MR. PIVOVAR: So we construed the
19
       term suitable to coat the tissue of a patient as
20
       part of this case, and the Court said that it
21
       should be construed as requiring a
22
       biocompatibility requirement. And then the
23
       Court construed the biocompatibility
24
       requirement. I just heard him articulate
```

1 several limitations that aren't included in that 2 construction. 3 THE COURT: Right. But 4 biocompatible is in our construction of 5 biocompatible. 6 MR. PIVOVAR: Right. And that was 7 what we had the whole claim construction dispute 8 about because they said it should be 9 biocompatible and we said that's indefinite. 10 And what you're putting on the biocompatible in 11 the context of the patents can't really be 12 discerned because it's some level that we don't 13 even understand. And that's how we arrived at 14 this construction because of the indefiniteness 15 of the term biocompatible. 16 So if we're going to drag that 17 back into the case, it seems like it was 18 resolved as part of claim construction, but if 19 that comes back into play, if you look at the 20 briefing on it, that's what it was all about. 21 They said biocompatible means not harmful to the 22 tissue of patients. And our expert came and 23 said one, what does that mean? It doesn't make 24 any sense. Two, what's the objective standard

we apply from the specification for that? And Judge Burke looked at all that and said yeah, there is no -- nothing described that will get you to biocompatible, so he construed the terms we had in dispute as -- with respect to the disputes we were having and said this is the construction I'm arriving at.

So we would have to go back and have a whole fight over indefiniteness of the term biocompatible again which has been resolved. That's why we think the Court has already said these terms are fixed, they're set. So that's on just the straight here is the biocompatible hydrogel composition issue.

And they contest that there are hydrogels that are applied from the prior art that are made from, their experts admits, from two biocompatible precursors, but they admit they're two biocompatible precursors. Their opinions are all directed towards the construction they wanted applied that Judge Burke rejected and Your Honor adopted. Those we think should be out. From the perspective of doing additional claim construction on this

1 term, I think we have been through it. 2 THE COURT: What about their 3 barium sulphate? 4 MR. PIVOVAR: So barium sulphate, 5 the issue with that is it's relatively 6 straightforward from our perspective, because if 7 you look at claim 1, so claim 1 is the 8 independent claim to claim 10 which is in 9 dispute. It says a visualization agent. 10 look at claim 1 of the '566 patent, there is a 11 word in front of visualization agent, a 12 biocompatible visualization agent. 13 So the question really becomes is 14 there a reason that one claim requires a 15 visualization agent and the other one requires a 16 biocompatible visualization agent? In our view 17 they're basically arguing that barium sulfate is 18 not a biocompatible visualization agent, but 19 there is no requirement for that in the claim. 20 And that's the distinction that we feel should 21 be involved in that. It also folds into it's 22 relying on a construction of biocompatible that 23 would be indefinite. 24 THE COURT: All right. You made

1 reference to suitable coated tissue of the 2 patient. Is there more to say about that and 3 whether what they're trying to do with that is 4 inconsistent with the claim construction? 5 MR. PIVOVAR: It is, because 6 they're saying that -- we had a whole -- we had 7 a whole dispute about claim construction of what 8 suitable coated tissue of the patient meant. 9 They were willing to say it means biocompatible 10 when they thought they could win that issue and 11 it turns out that they lost. And now what they want to say is okay, let's take another run at 12 13 We have some other things we want to build 14 into this particular requirement of this 15 preamble just to try and wiggle around the prior 16 art and get you to go back and redo it. We have 17 been through claim construction on that term. 18 They could have said at that time it requires a 19 biocompatible hydrogel that has all of these 20 other features that are required. And we could 21 have pointed out how that was wrong as well. 22 But they didn't. They wanted to hang their hat 23 on this biocompatibility argument, which they 24 brought up in your rebuttal expert reports for

1 the first time, costing us to have a whole 2 secondary round of expert reports, a secondary 3 round of summary judgment, they lose it and now 4 they're saying, oh, we have another argument to 5 make. And it doesn't seem like something we 6 should be doing two weeks before the trial, Your 7 Honor. 8 THE COURT: Do you want to 9 respond? 10 MR. IWANICKI: Yes, Your Honor. 11 Plaintiff's expert's opinions about barium 12 sulfate being added to a hydrogel and not 1.3 resulting in a composition suitable to a coated 14 tissue of a patient has been long standing. 15 Plaintiff's expert's opinions about barium 16 sulfate being toxic and so when added to the 17 composition of suitable coated tissue, a 18 hydrogel would not result in a composition 19 suitable for coated tissue of a patient has been 20 long standing. And Dr. Lowman's -- Dr. Mays' 21 reports he identifies the conditions for a --22 for what one of ordinary skill in the art would 23 understand suitable for coated tissue of a 24 patient.

1 With respect to biocompatibility, 2 that was only one feature that was argued 3 because -- and asked for specific claim construction on that issue, nothing else, 4 5 because it's quite clear that one of ordinary 6 skill in the art is going to understand you're 7 going to have something suitable coated tissue 8 of a patient, it's going to have to adhere, it's 9 going to have structural integrity and those are 10 two important features, Your Honor, and there is 11 nothing inconsistent with us offering opinions with respect to barium sulphate as not a 12 13 precursor, that's not a precursor, so it doesn't 14 affect the visualization agent, not only is it 15 not a visualization agent, it is also not a 16 precursor. It is not inconsistent with how the 17 Court construed the claim. 18 And, in fact, Your Honor, 19 biocompatible is a feature of the claim. We won 20 that. It's now been the second stage what does 21 that mean and the Court took a circular argument 22 about biocompatible composition of hydrogel 23 means it's formed from biocompatible precursors 24 which is the claim term, so we're left with this

1 tension here. And, you know, one of ordinary 2 skill, for purposes of presenting this to the 3 jury, we're going to have to explain what this 4 claim means, not only for those terms construed 5 by the Court, but those that haven't been 6 construed by the Court, Your Honor. 7 So we think that everything that 8 they have asked to be stricken with respect to 9 barium sulfate or tibular collagen or 10 degradation, there is lots of degradation 11 paragraphs in there, none of that relates to the 12 quote biocompatible issue that they identified 13 in their submission yesterday. 14 THE COURT: All right. Anything further on this from defendants? 15 16 MR. PIVOVAR: No, Your Honor. 17 THE COURT: Bear with me a second. We'll come back to this. Are 18 19 there any other plaintiff opinions or evidence 20 that the defendants think they're sure are going 21 to be offered that are inconsistent with the 22 Court's claim construction? 23 MR. PIVOVAR: So we suspect that 24 they might have at trial, but we'll reserve our

'/1

1 right to object at that time. 2 THE COURT: All right. Let's talk 3 about the defendant's motion to sever the state 4 of proceedings with respect to claim 10 of the 5 '34 patent. We'll hear from the defendants on 6 this. 7 MR. GRAVES: Thank you, Your 8 Honor. First I would like to thank you for 9 rescheduling this so that Ms. Pascale and I 10 could go to our respective college graduations 11 for our daughters. 12 THE COURT: You're quite welcome. 13 MR. GRAVES: Your Honor, the R&R 14 from Judge Burke on claim 10 has made an already 15 interesting and unique situation all that much 16 more of a unicorn, so we're now just two weeks 17 out from trial and we have got a claim held by 18 the patent office as obvious, but also pending 19 Your Honor's review of our objection to the R&R 20 potential claim to be held infringed indirectly 21 by the defendant. So we think that has tipped 22 the scales in favor of severing out and staying 23 this one claim. 24 First, in terms of simplification,

1 the plaintiffs essentially argue that there is 2 very little difference between claim 10 and 3 claim 20. They're both from the same patent. 4 Well, these claims are very different. Claim 20 5 is a predetermined thickness claim, so it 6 overlaps significantly with the other 7 predetermined thickness claims. Claim 10 on the 8 other hand is much broader. It's about 9 essentially visualization agent like a dye in a 10 hydrogel that forms within five seconds or less. 11 So that -- those distinctions mean 12 we have completely different issues. Completely 13 different prior art is asserted by the defendant 14 with respect to claim 10 versus claim 20 or any 15 other asserted claim that remains. We have 16 completely different sets of inventors with 17 respect to these two claims. We have different 18 priority dates asserted by the defendants, or by 19 the plaintiffs with respect to these two claims. 20 So they are not the same. Teaching the jury 21 about the '034 patent in the context of claim 20 22 will not teach the jury about claim 10 23 whatsoever. 24 THE COURT: Would it simplify even

1 further if we sever and stay claim 20 as well? 2 Would you object to that? 3 MR. GRAVES: I would think that 4 would not really help because claim 20 is a 5 predetermined thickness claim and we're going to 6 be dealing with those other predetermined 7 thickness claims, so I think we ought to deal 8 with claim 20 while we're at it. 9 The claim 10 is very unique and 10 distinct and including it in the trial will 11 actually greatly complicate the issues and the 12 complexity of the case for the jury. So taking 13 it out will certainly simplify the issues. 14 Plaintiffs say there is very 15 little left to try about claim 10. We disagree 16 with that. They mention the R&R of 17 infringement, but they fail to mention that was 18 just as to indirect infringement. As far as we 19 know they still plan to present a direct 20 infringement case against HyperBranch with 21 respect to claim 10 which will carry its own 22 unique issues as to whether HyperBranch has 23 performed every step of the claim method 24 including forming a hydrogel within five

'/4

1 seconds. 2 Also, Your Honor, they claim that 3 we only have one invalidity defense left as to 4 claim 10, specifically anticipation by the Rhee 5 500 reference because the patent office declined 6 to institute IPR on that particular ground. 7 Their argument is that having won at the patent 8 office on obviousness, HyperBranch is now 9 estopped from defending itself against an 10 accusation of infringement in front of the jury. 11 It can no longer even assert that successful 12 combination of obviousness references or any 13 other piece of prior art we could have possibly 14 thrown into the IPR reference other than the 15 Rhee 500 reference. That strikes me as turning 16 the estoppel provision of the AIA on its head. 17 THE COURT: Are you able to cite 18 any authority on that point? I don't think you 19 have either. Has any court had to confront this 20 question that you're aware of? 21 MR. GRAVES: We're not aware of a 22 court having to confront a defendant 23 successfully invalidating the patent at the 24 patent office and the plaintiff taking the

1 position that there is estoppel that applies. 2 We found briefing in one case, it's pending now, 3 it hasn't been decided. Mr. Crenshaw can deal 4 with this later in more detail, but I can say 5 for now, first the language of the statute 6 doesn't support such a twisted outcome. 7 Estoppel means that you have taken a position 8 and lost, so you're barred from relitigating 9 that lost position. It doesn't mean if you have 10 won at the patent office you can't defend 11 yourself on the same ground before a jury when 12 faced with an accusation of infringement. 13 And the legislative history of the 14 AIA makes clear that the fundamental purpose of 15 it was to separate out weak patents from the 16 rest. And here we have the patent office 17 agreeing with us that this is an obvious claim. 18 We should not be estopped from so arguing in 19 front of the jury if it's going to be in the 20 case. 21 Your Honor referenced during the 22 April 6th status call that the possibility of 23 having detailed jury instructions in a special 24 verdict form to try to reduce the possibility of

a taint from claim 10 being in the case. But
the fact of the matter is, Your Honor, with
respect to the damages, taint is possible here.
There won't be any record evidence about claim
by claim allocation of damages. Neither damages
expert dealt with that. The plaintiffs say if
one claim is infringed, they get all the same
damages as if all of the asserted claims were
infringed.

And in the pretrial order meet and confer process with submissions, you see the plaintiffs made no effort whatsoever to provide any sort of detailed instructions or special verdict questions to try to minimize the possibility, the prejudice, quite the contrary

THE COURT: So as I understand it, your view would be if I put -- if I don't sever and stay claim 10 and the jury returns a damages verdict based on something like the instructions of the verdict sheet proposed by the plaintiff, and then as you expect on appeal claim 10 is invalidated because the PTAB finding is upheld, you're going to be back here arguing that I need

to retry damages because there would be no way to sort out what impact claim 10 infringement had on the jury's finding of damages. Is that your position?

MR. GRAVES: That's correct. And even more broadly, Your Honor, we might be back here or the Federal Circuit arguing that the inclusion of claim 10, particularly if the Court adopts the R&R infringement, would just taint the whole proceedings and then prepares we get a reversal on infringement findings of other claims and findings of not invalid. We think it would be highly prejudicial to allow this claim to stay in the case, particularly in light of the R&R, if that gets adopted.

The plaintiffs argued on the other hand they're the ones who are going to be greatly prejudiced if this claim is severed out and stayed. And they point in support for that to their need for a permanent injunction should they get a judgment of infringement on claim 10.

But look at the timing here. That claim expires in less than six months, so if we go through a jury trial and get a judgment of

1 infringement and not invalid on claim 10, we'll 2 have JMOL motions. We also need to schedule and 3 conduct the separate bench trial on equitable 4 estoppel which could take some time. It's quite 5 likely that the Court will not have sorted 6 through equitable estoppel and the JMOL motions 7 by the time this claim expires, so in terms of 8 the timing here, we think it's highly unlikely 9 that they would even be at the point of 10 litigating a motion for permanent injunction 11 before this claim 10 expires let alone getting it decided by the court. 12 13 THE COURT: There was a reference 14 to another case or other litigation here. Did I misunderstand that? 15 16 MR. GRAVES: No, you did catch 17 that correctly. We brought that up. There is a 18 second case that the plaintiffs filed on seven 19 patents directed to applicator devices and 20 assemblies that actually spray out or deposit 21 the hydrogels that are at issue in this case. 22 That case is trailing behind this one. It's set 23 for trial in March of 2020. 24 THE COURT: My understanding was

```
1
       that you thought if I need another trial say on
       claim 10 of the '034, one option might be to
 2
 3
       move that claim over to that case.
 4
                     MR. GRAVES: Exactly, Your Honor.
 5
       And the plaintiffs offered no response on that
 6
       whatsoever.
 7
                     THE COURT: Is there a status
8
       problem with your petition that you just
9
       prevailed on?
10
                     MR. GRAVES: We don't believe so,
11
       Your Honor. I haven't heard --
12
                     THE COURT: I wasn't sure, but it
13
       seemed that perhaps you didn't get institution
14
       on all the claims that you asked for.
15
                     MR. GRAVES: There was one claim
16
       on which we did not get institution.
17
                     THE COURT: I take it you have not
18
       been advised by the PTAB that that in any way is
19
       going to impact the finality of the written
20
       decision.
21
                     MR. GRAVES: No. And we had a
22
       final written decision before that came out.
23
                     THE COURT: Let me hear from the
24
       plaintiff on this motion, please. Good morning.
```

1 MR. ALTHERR: Your Honor, there is 2 three factors that need to be considered as to 3 whether or not a case should be stayed. One, 4 the stay would simplify the issues for trial. 5 Two, the status of litigation because the 6 discovery is complete and the trial date is set. 7 And three, the prejudice to the nonmoving party. 8 Now, staying the action will not 9 simplify the issues at trial. The Court already 10 considered this at our April 6th status 11 conference and went through in a very cogent way 12 to show that it would not simplify the issues. 13 In their brief they didn't argue that they would 14 simplify the issues. There is really very 15 little left for trial on the '034 patent. 16 the Court adopts the report recommendation for 17 summary judgment infringement, that issue is out 18 of the way. THE COURT: But if I don't, then 19 20 you're going to have to prove infringement; 21 correct? 22 MR. ALTHERR: But we'll still be 23 settling forth all the same limitations that 24 were in the predetermined thickness claims.

1 predetermined thickness claims add a limitation. 2 All right. This one is different because it 3 doesn't have the predetermined thickness limitation. That's all. But the visualization 4 5 agent has to be there and all the other limitations that are in those claims. So you're 6 7 going to be having all those limitations anyway. 8 THE COURT: Is visualization agent 9 in some other claim that's going to trial no 10 matter what? 11 MR. ALTHERR: Yes, Your Honor. Every predetermined thickness claim has the 12 13 visualization agent in it. The claim 10 has the 14 visualization agent in it. So you're going to 15 be going through all those same limitations. 16 The reason like I said that they 17 took out the claim 10 was because it is a 18 broader claim, it has fewer limitations, but all 19 those limitations are encompassed by what's in the predetermined thickness. They're going to 20 21 get all that. 22 Additionally, you have the same 23 prosecution history that's involved. Claim 20 24 of the '034 patent is a predetermined thickness

1 claim. We're going to be going through that. 2 We are going to be going through the 3 specification. The jury is going to be taught 4 the specification, the prosecution history, the 5 prior art, the related patents, the '566 and the 6 '418 patents are all related and their 7 prosecution histories are related and have all 8 basically the same or very similar claim 9 limitations. And so the jury is going to be 10 taught all that. 11 Now, if you stay the case and go 12 up and decide that you're going to have another 13 trial in this, it's going to be a second jury 14 that's going to have to go through all that 15 stuff another time. All right? 16 So additionally, in addition to 17 the fact that you got all these common claim 18 limitations, all common prior art cited against 19 it, all of the common prosecution histories and 20 specifications, you do have an issue under 21 estoppel under 315(e)(2) estoppel. And I would 22 like to say just a little bit about that. 23 have some slides here if I might pass them to 24 Your Honor.

1 THE COURT: Yes. Sure. 2 MR. ALTHERR: Now, the first thing 3 that I like to do, Your Honor, is point out the 4 language of 315(e)(2). And where it says, "The 5 petitioner in an inter partes review of a claim 6 in a patent under this chapter that results in a 7 final written decision under Section 318(a), or 8 the real party in interest or privy of the 9 petitioner, may not assert either in a civil 10 action arising in whole or in part under Section 11 1338 of the Title 28 or in a proceeding before the International Trade Commission under Section 12 13 337 of the Tariff Act of 1930 that the claim is 14 invalid on any ground that the petitioner raised 15 or reasonably could have raised during that 16 inter partes review." 17 All of the prior art references 18 they cited against claim 10 in this case, 19 they're saying invalidated, are on the face of 20 either the '034 patent or the '566 patent which 21 is a continuation --22 THE COURT: That much I think is 23 not in dispute, but do you have any authority 24 that says your interpretation of estoppel is

1 correct in these types of circumstances? 2 MR. ALTHERR: There is two parts 3 there, Your Honor. We're not just saying 4 estoppel on the successful part. If you look at 5 those references, the one that they have, the Jacobs reference, that's an issue that we have 6 7 in this court right now. That's a reference 8 that they didn't raise, but they reasonably 9 could have raised it because they knew about it. 10 If you look on the second page, 11 you can see exemplary district court decisions 12 applying the plain meaning of Section 315 to 13 references the party knew or reasonably should 14 have known about, but did not raise in the IPR 15 petition. The Parallel Networks case --16 THE COURT: Are those all could 17 have been raised estoppels? 18 MR. ALTHERR: Those are all could 19 have been raised estoppels. 20 THE COURT: Where is the estoppel 21 finding based on what was raised and a final 22 decision? 23 MR. ALTHERR: What was raised. 24 to the next slide. Your Honor, there is no

deciding decision with regards to what was in fact raised, but there is a pending district court motion right now in the BTG International Limited versus Amneal Pharmaceuticals case pending in the District of New Jersey, and that is pending right now.

The only safe harbor that precludes estoppel for references that were known or reasonably should have been known from controlling precedent is referenced theories raised -- is references and theories raised in the IPR petition but not instituted.

THE COURT: So if some court ultimately finds that you're right, that estoppel on its language applied even to what is instituted and the petitioner prevails on it in a final written decision, doesn't that just mean that that is because it was anticipated that either a plaintiff in your position would never want to go to trial on a claim that had just been found to be not patentable by PTAB, or that no court would let the plaintiff do that and of course would stay in a situation like this?

MR. ALTHERR: No, Your Honor, the

1 purpose of this section, the estoppel section, 2 was to give the petitioner one bite at the 3 apple. You elect what route that you're going 4 The idea behind the whole act was to 5 limit the amount of litigation. If you decided 6 you were going to go the IPR route, you were 7 going to be estopped from what you actually 8 raised or could have raised. The statute is 9 very clear on that. 10 THE COURT: Wasn't part of the 11 idea also that they wouldn't thereafter have to 12 defend against being an accused infringer of a 13 patent claim that they managed to invalidate at 14 the PTAB? 15 THE WITNESS: No, Your Honor, 16 because they had the estoppel raised after the 17 final decision, but the final decision is not 18 final until after appeal. And that distinction 19 is very clear in those cases. 20 THE COURT: I do think that is 21 clear, but in terms of a discretionary decision 22 as to whether or not this jury should have to 23 make a finding as to whether a patent that the 24 PTO has now said is not valid, why -- you know,

1 I guess come to that broader argument. I think 2 the estoppel point cuts against you, but putting 3 that aside, why should I exercise my discretion 4 to have this jury decide infringement of a claim 5 that the PTAB has said shouldn't even exist at this point? 6 7 MR. ALTHERR: Because what the 8 Federal Circuit is going to do is entirely 9 speculation. If you don't go ahead and try the 10 case this time with this jury, all right, 11 they're going to hear all that same evidence, 12 going to be taught all this stuff about the '034 13 patent, and then if it gets reversed and sent 14 down, then you're going to have to try it all 15 again on the '034 patent on claim 10 with a 16 brand-new jury. The parties are going to have 17 to go ahead and redo witness lists, redo exhibit 18 lists, redo a pretrial order and all those 19 things. So you're really not going to save --20 it's speculation as to whether it's going to get 21 reversed or not. 22 Additionally, you have different 23 standards, as Your Honor very clearly noted, and 24 in saying that you are not going to allow

1 anything to go to the jury regardless of what 2 happens in PTAB, because they're different 3 standards, they shouldn't be confused. Because 4 of the different standards, that is a very good 5 reason why this jury should be able to hear the 6 issues with respect to the claim 10 of the '034 7 patent. 8 Now, but I do want to reiterate 9 one thing on this 315 estoppel. Putting the 10 point aside, the points of what the PTAB found, 11 is because the estoppel, they cannot raise the 12 Jacobs issue, that's something they could have 13 raised. They cannot raise the obviousness over 14 thing, and they cannot raise the -- I guess it 15 was obviousness over Rhee 500 itself. 16 Even if you allow it to go to 17 trial and hear the invalidity evidence, the 18 amount of invalidity evidence is even if you 19 allowed the successful argument, it would be two 20 invalidity grounds on prior art, not the five. 21 So a lot of the case has already been 22 simplified.

THE COURT: What about direct infringement, are you going forward on that?

23

24

```
1
                     MR. ALTHERR: No. Direct
 2
       infringement on the '034, we are not going to
 3
       assert vicarious liability, or vicarious
 4
       infringement.
 5
                     THE COURT: So you're dropping
 6
       with prejudice your direct infringement claim on
 7
       claim 10?
8
                     MR. ALTHERR: Yes, Your Honor.
 9
                     THE COURT: Okay. Anything else
10
       on this stay?
11
                     MR. ALTHERR: Well, the other
12
       thing is the stage of the proceedings. As you
13
       indicated, that strongly disfavors granting the
14
       stay in this case. The discovery is complete
15
       except for the deposition we got going forward
16
       of Dr. Mettler tomorrow, but trial is scheduled
17
       for May 29th. So the stay pending the final
18
       appeal, the Federal Circuit appeals is not going
19
       to promote the interest of justice.
20
                     Now, look at the prejudice to the
21
       plaintiffs. We are direct competitors, and the
22
       -- in our brief we cited to the LifeTech Corp.
23
       case and the Cooper Tech versus Thomas & Betts
24
       which says that that is a factor which should
```

1 weigh in heavily the prejudice to plaintiffs 2 when they are direct competitors in staying a 3 case. And you should be looking to the prejudice to the nonmoving party, not what 4 5 HyperBranch argues is prejudice to them. 6 The second part is the parties 7 have already expended significant expense and 8 energy just to get to trial. We're going to 9 have to do it all over again if you stay and go 10 out and have another trial. 11 THE COURT: What about the risk that I'm going to have to do another trial if I 12 13 don't stay because of at least the damages 14 issues and the way you all have chosen to 15 present it? 16 MR. ALTHERR: I'm sorry. Could 17 you say that again? 18 THE COURT: What about the risk 19 that I'm going to have to do another trial if I 20 don't state because you're asking the jury to 21 return a damages verdict that will be impacted 22 by claim 10 and the jury being told that the 23 defendant infringes and there is a chance, of 24 course it's speculation, but there is a chance

that the Federal Circuit will agree with the PTAB.

MR. ALTHERR: Your Honor, the jury can be instructed in such a way that claim 10 with regard to the issue of infringement was left to the Court, reserved to the Court and they don't have to consider it.

As far as on damages and that, in the instructions we put in that, we can tailor the instructions if you believe that that is a threat. Our damages theory, what is supported by the license for the patents-in-suit, is that the royalties are paid whether one claim is used or all the claims are used. The royalties is the same amount because the royalties is based upon what the product category is. These are products that have been approved by the FDA. The one license which is the basis for both experts determining what is a reasonable royalty provided that.

If you look at Magistrate Judge

Burke said it was appropriate the damages did

not have to be apportioned on a claim-by-claim

basis. That was an order --

1 THE COURT: Isn't the bottom line 2 that the risk of a new trial, a second trial is 3 at least as great if I do what you want as if I 4 do what they want? 5 MR. ALTHERR: Your Honor, I think 6 it's pure speculation. 7 THE COURT: We're dealing in 8 speculation, but the odds are good in their 9 favor just based on statistics that they're 10 going to win their appeal in the Federal 11 Circuit, whereas there is also odds it would 12 seem to me that you win at this trial and you 13 get a damages award that at least based on how 14 you were asking me to instruct the jury and put 15 a verdict sheet in front of them, we'll never 16 know what impact a finding of infringement of 17 claim 10 had on it, meaning I'm going to have to 18 do it all over again. 19 MR. ALTHERR: No. The jury 20 instruction could be tailored to specifically 21 ask that question. 22 THE COURT: Have you given me that 23 instruction? 24 MR. ALTHERR: No, Your Honor, we

```
1
       have not.
 2
                     THE COURT: Wasn't the deadline a
 3
       day or two ago for that?
 4
                     MR. ALTHERR: Yes, Your Honor,
 5
       that was.
 6
                     THE COURT: Why should I be
 7
       confident that you're going to give me that
8
       instruction in the next few days?
9
                     MR. ALTHERR: The parties still
10
       have a number of disputes on the jury
11
       instruction. I know they are going to have to
12
       be resolved. And I'm sure when we get up
13
       through the trial there will be issues.
14
                     THE COURT: What about a verdict
15
       sheet, are you guys going to be open to a
16
       verdict sheet that makes the jury have to break
17
       out patent damages on a patent by patent or
18
       claim by claim basis?
19
                     MR. ALTHERR: I wouldn't say for
20
       all of the patents, Your Honor, we break out
21
       claim 10, and that would be very easy for the
22
       jury to do.
23
                     THE COURT: So you would not
24
       oppose, you think there is some promise there to
```

1 do that? 2 MR. ALTHERR: I think that could 3 be done. That would save everyone a lot of 4 trouble. That would save a second jury from 5 having to hear all the same evidence over and 6 over again. 7 THE COURT: What about this other 8 proceeding and the possibility that if I do have 9 to do something, a second trial, that I might be 10 able to move it over and be part of that other 11 case? 12 MR. ALTHERR: Once again, Your 13 Honor, that throws another patent in the case. 14 It makes that case more complex. All the other 15 patents are related in the case. There is two 16 families. They deal with applicators. 17 don't deal with the chemistry. You're 18 complicating the case a lot more by bringing in 19 all these other issues, all the things that 20 we've already battled in this case. And it 21 would make it very complex for the jury. 22 THE COURT: Thank you. I'll give 23 defendants a chance for rebuttal. 24 MR. GRAVES: Your Honor, I think

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

95

that Mr. Altherr's concession that they're claiming as a matter of damages that they get the same amount of damages whether one claim is infringed or all is really self defeating here, because it points to the lack of true potential prejudice to them from going forward without claim 10 which will likely be found invalid by the Federal Circuit.

On the other hand -- and he says well, we can deal with claim 10 separately in the verdict sheet, but they haven't done that And we don't know how as a practical matter the parties can even present a case to the jury on how to allocate damages on a claim-by-claim basis or just for claim 10 versus all the other claims. There is just no evidence in the record to support any sort of position like that from either side. We think it would be impossible. Sure, we could put a separate question on the verdict form, what are the damages for claim 10 if you find infringement and not invalid, but there would be nothing in the record to guide the jury on how to even answer that question.

1 So I also want to point out the 2 patent owner here did not file a petition for 3 reconsideration at the PTAB on the final written 4 decision, so the clock is ticking on the 5 deadline for notice of appeal. And that appeal should be well in front of any appeal by any one 6 7 or both sides here to the Federal Circuit of the 8 ultimate final judgment entered in this case. 9 So we think it's highly likely 10 that the validity of claim 10 will be decided by 11 the Federal Circuit based on the appeal of the PTAB ruling long before we get up to the Federal 12 13 Circuit from any appeal from this case. 14 So what we have here, Your Honor, I think in short is a situation where if this 15 16 claim goes forward in the case, we have got 17 really a baked in issue for a reversal and a 18 remanned, we're going to be back here again. 19 Whereas it's much less likely if we sever it and 20 stay, it's never going to come back here because 21 the Federal Circuit would confirm the obvious 22 recall. 23 And the prejudice to us from 24 including it in the trial is enormous. And the

1 prejudice to them of keeping it out is virtually 2 nil, doesn't impact their damages and they're 3 never going to get a permanent injunction based 4 on infringement of this claim. 5 As I explained, and we got no 6 response, there is no way we're going to have a 7 preliminary injunction motion fully adjudicated 8 and decided before this claim expires before 9 November of this year to say nothing of 10 substantial hurdles of irreparable harm. 11 Thank you, Your Honor. 12 THE COURT: Thank you. All right. 13 Let's move on now. I'll hear from defendants 14 first on plaintiff's motion for reconsideration. 15 I think it was filed yesterday. My simple 16 question is whether the defendants have figured 17 out their position and whether they oppose the 18 motion. MR. CRENSHAW: Thank you, Your 19 20 Honor. Steve Crenshaw on behalf of defendant. 21 We do oppose their motion in two respects. I 22 think there are three real issues that they 23 raised. First is Mr. Jarosz's price erosion. 24 We don't contest that that was properly

1 disclosed as damages within the United States. 2 I think there might have been some imprecision 3 in the wording, so we do not contest that. 4 With respect --5 THE COURT: And is that the full 6 pool of the relief they're seeking with respect 7 to Mr. Jarosz? 8 MR. CRENSHAW: No. They also want 9 to allow Mr. Jarosz to double dip in effect by 10 asserting a reasonable royalty inside the U.S. 11 on top of their price erosion damages. And 12 those numbers were never disclosed in 13 Mr. Jarosz's reports. I'm happy to go into that 14 issue now or would you like me to continue the overview? 15 16 THE COURT: Let's finish the 17 overview. There is a third issue; right? 18 MR. CRENSHAW: There is a third issue with Dr. DiStefano. I think you heard 19 20 some argument on Dr. DiStefano's 21 biocompatibility argument. And his specific 22 infringement opinions were related to the 5,705 23 patent which is no longer in this case, it's 24 out, it's not going to be going before trial.

1 We don't believe he had anything 2 disclosed in his report that merits inclusion in 3 the trial now that the 5,705 is out. And what 4 plaintiffs are arguing is well, Dr. Mays is 5 relying on his opinion related to the 5,705 for interpretation of the 3,705 patent. 6 7 Dr. DiStefano didn't say that my 8 opinions are related to the 3,705 patent. He 9 didn't say that they were related to the issues 10 that are still live in trial. Dr. Mays who is 11 trying to drag back in the 5,705 biodegradable 12 issues so that they can try to put more evidence 13 in the record for appeal purposes. We don't 14 believe Dr. DiStefano's report has anything in 15 there that is still live and should be addressed 16 at trial, so we do oppose that part of the 17 motion for reconsideration. 18 THE COURT: Just a little bit 19 So the first thing that you see them 20 asking for with respect to Jarosz's price 21 erosion opinion, say again what it is you don't 22 oppose. 23 MR. CRENSHAW: We believe that 24 Mr. Jarosz should be able to present his price

1 erosion opinion on price erosion inside the 2 United States. That was fairly disclosed in his 3 August 25th report. We certainly disagree with 4 just about everything he has to say on it, but 5 we weren't seeking to exclude that in our motion in limine and we don't believe that should be 6 7 excluded. 8 THE COURT: So to the extent their 9 motion is seeking me to reconsider and allow him 10 to do what you just said, you think I should 11 grant that. You don't oppose it. 12 MR. CRENSHAW: We don't oppose it. 13 I'm not sure that Your Honor's ruling 14 necessarily excluded that, but just for clarity 15 sake, I think it's fair to say Mr. Jarosz can 16 present his price erosion opinions at trial and 17 we will cross-examine him. 18 THE COURT: With respect to the 19 other part of Jarosz's opinion excluded, you 20 oppose their request for reconsideration. MR. CRENSHAW: Yes, Your Honor. 21 22 In terms of reasonable royalties within the

United States, we do oppose their motion for

reconsideration. And our primary problem here

23

24

1 as Your Honor may recall, Mr. Jarosz has 2 submitted now it will be four or five reports, 3 expounding very different opinions. 4 His first report on August 25th 5 had three basis for damages, lost profits for lost sales based on the market share 6 7 apportionment theory; lost profits for price 8 erosion; and finally, a reasonable royalty which 9 had components both inside the U.S. and outside 10 the U.S. 11 Because the market share apportionment theory was not disclosed during 12 13 discovery, the Court struck Mr. Jarosz's opinion 14 and gave him a chance to put in a new opinion if 15 they could credibly do so. 16 Mr. Jarosz put in a new report on 17 November 24th, and that report replaced his 18 opinions on lost profits for lost sales and his 19 opinions for reasonable royalty. It didn't 20 touch the price erosion and that's the reason 21 we're not disputing that now. 22 But for lost profits for lost 23 sales, Mr. Jarosz went all in and said 100 24 percent of sales within the United States would

be subject to lost profits for lost sales. And as a result he replaced his reasonable royalty opinion and said reasonable royalties are five percent of outside the U.S. sales and he provided no opinions, no numbers, nothing for reasonable royalties within the United States. And he specifically noted that residual royalties for infringing sales upon which they did not receive lost profits are for accused sales outside the U.S.

where defendants are trying to go back to
Mr. Jarosz's original August 25th report and say
that's his true reasonable royalty report
despite the fact that Mr. Jarosz had an
opportunity to either reaffirm those opinions
that he disclosed there or provide alternative
theories and he never did that. So what we have
is we have Mr. Jarosz being very clear in one
opinion as to what his reasonable royalty
opinion was, it was entirely outside the U.S.
That opinion was eventually -- the lost profits
component of that was eventually struck because
he was just not credible.

1 Now they're trying to go back and 2 say well, Mr. Jarosz preserved that because he 3 noted that his opinion was that in the event 4 lost profits damages are found to be inevitable, 5 reasonable royalty damages are to be calculated. 6 Now, plaintiffs aren't saying in 7 their motion for reconsideration Mr. Jarosz that 8 should be able to chose between price erosion 9 and reasonable royalty, they want to double dip. 10 They want to be able to say for United States 11 sales, they're subject to both price erosion and a reasonable royalty. And that opinion is not 12 13 disclosed I don't believe anywhere in 14 Mr. Jarosz's report. It's certainly not 15 disclosed in the November 24th report which 16 directly contradicts that. 17 So the plaintiffs had a choice of 18 damages. And they are certainly entitled on a 19 finding of infringement of a nonvalid claim to 20 compensation and that compensation must be no 21 less than a reasonable royalty. What they 22 aren't entitled to is expert testimony that they 23 are entitled to a reasonable royalty in addition 24 to price erosion damages.

1 Mr. Jarosz's damages theory is 2 that price erosion inside the U.S. is 3 compensation for infringement. And so their 4 claim that they're entitled to put in expert 5 opinion on reasonable royalty within the United States in addition to price erosion compensation 6 7 just -- that's not required by the statute. 8 THE COURT: So he did disclose an 9 opinion on reasonable royalties within the U.S. 10 in the August 25th opinion, but your view is he 11 later in November disclosed a different opinion 12 which has the effect of superseding what he 13 disclosed in August? 14 MR. GRAVES: His reasonable 15 royalty opinion for the August 25th report was 16 based on market share apportionment. His 17 numbers were a percentage of the sales, the 18 percentage of sales that weren't accounted for 19 in his lost profits, lost sales calculations. 20 So now they're not saying that same percentage, 21 they're saying no, all U.S. sales are subject to 22 a reasonable royalty in addition to the price 23 erosion damages. 24 THE COURT: And that opinion has

been disclosed no where?

MR. CRENSHAW: I don't believe they'll be able to point you to it. I haven't seen it. To the extent they're going to point to footnote 541 on page 94, paragraph 260 of Mr. Jarosz's original report, we believe that was superseded by both plaintiff's decision to pursue price erosion damages as compensation for U.S. sales and Mr. Jarosz's subsequent report where he didn't disclose any U.S. royalty numbers and instead relied exclusively on outside the U.S. sales.

what are his opinions. We thought we had one thing, they're now trying to go back to his original report which was stricken in various respects. And they had a chance to put in a new report that clearly laid all this out, but they didn't want to commit to any of that. They just gave us a supplemental report that had some notations from the old report, never was able to find what was still operative or not. And it's precisely this problem we're now facing that shows just how problematic their approach was.

```
THE COURT: On the DiStefano, if I
1
 2
       don't grant reconsideration, are you going to
 3
       object to Dr. Mays' testimony where he will say,
 4
       I guess, part of my opinion is based on this
 5
       other expert, DiStefano.
                     MR. CRENSHAW: I don't believe so,
 6
7
       Your Honor. There doesn't seem to be any reason
8
       to bring Dr. DiStefano on. Dr. Mays is entitled
9
       to rely on that in forming his expert opinion.
10
       He can tell the jury I talked to another doctor
11
       who said this. But Dr. DiStefano's underlying
       opinion is irrelevant to any issues.
12
13
                     THE COURT: Thank you.
14
       plaintiffs response to their motion.
15
                     MR. CRENSHAW: Thank you, Your
16
       Honor.
17
                     MR. ALTHERR: Your Honor, I
18
       assumed price erosion gets a little closer, we
19
       will present that in evidence.
20
                     THE COURT: With respect to that
21
       first point on price erosion, I'm granting your
22
       motion to reconsider to the extent necessary to
23
       allow you to do that.
                     MR. ALTHERR: What I would like to
24
```

1 do is put a little part of the motion for 2 reconsideration. 3 THE COURT: Why don't we talk 4 about DiStefano first, because they I thought 5 pretty clearly said in their motion that he was only offered for the 5,705 and you didn't 6 7 respond to that. And we relied on your failure 8 to respond. And now I see you have other things 9 you want to do with him. Why is that a 10 meritorious basis for reconsideration? 11 MR. IWANICKI: Thank you, Your 12 Honor. Your Honor, Dr. DiStefano's report 13 addressed the limitation resistant enzymatic 14 degradation. He provided opinions as to what 15 resistant enzymatic degradation means. 16 reviewed the accused product. He reviewed all 17 of the patents in the lawsuit and he provided an 18 opinion as to what resistant enzymatic 19 degradation means and that the accused products 20 meet that limitation. Now, resistant enzymatic 21 degradation is a limitation found in the 3,705 22 patent. 23 THE COURT: This may be all true, 24 but what I found is plaintiffs do not contend

1 that DiStefano's testimony is relevant for any 2 issue that will be the subject of the trial. 3 Where in your response to the motion in limine 4 did you tell me something contrary to that? 5 MR. IWANICKI: Your Honor, I'm 6 telling you, I'm telling you now that with 7 respect to resistant enzymatic degradation, 8 Dr. Mays relied on his opinion with respect to 9 the 3,705 patent. 10 THE COURT: But when I had to make 11 this decision, I had to rely on what you all 12 arqued, and I think, but again, correct me if 13 I'm wrong, I think you didn't make this argument 14 at the time I had to make this decision. 15 that correct? 16 MR. IWANICKI: Your Honor, it was 17 what they had presented was an exemplary list, 18 Your Honor, it wasn't a complete list in their 19 motion in limine. And so, Your Honor, this 20 issue is one where Dr. Mays very clearly in all 21 of his expert reports, there is no surprise 22 here, in all of his expert reports relied on 23 Dr. DiStefano's opinion in order to reach his 24 opinion with respect resistant enzymatic

1 degradation. It's not limited to the 5,705. Ιt 2 is an opinion that is with a consistent claim 3 limitation between those two patents. 4 THE COURT: I'm told that they 5 will not object to Dr. Mays indicating that he relied on Dr. DiStefano. Why at this point do 6 7 you need Dr. DiStefano? 8 MR. IWANICKI: I think the jury 9 would benefit from live testimony. I think 10 that, you know, having someone refer to a piece 11 of paper and say this is what the piece of paper 12 says and I adopt it is probably -- it's going to 13 be better for the jury to hear the live 14 testimony from Dr. DiStefano, sir. 15 THE COURT: All right. We'll get 16 Mr. Altherr here. He's going to talk about the 17 first issue. 18 MR. ALTHERR: The only issue that 19 we have got left on this end is the extent to 20 which Mr. Jarosz should be able to provide 21 opinion testimony with regard to his calculation 22 of reasonable royalty. They don't contest that 23 he's allowed to do some reasonable royalty with 24 regard to reasonable royalty outside the United

1 They are saying that we superceded our States. 2 prior computation of reasonable royalty and 3 therefore dropped it. Well, that's not the 4 case, Your Honor. 5 What happened was they have tried 6 a number of times to strike both price erosion 7 and the reasonable royalty. The magistrate has 8 ruled against them. You ruled against them. 9 Even after we were allowed to submit the 10 supplemental, we still had to carry forward the 11 price erosion from the August 25th and the reasonable royalty from the August 25th opinion. 12 13 Now, in that August 25th opinion 14 15 THE COURT: How do we go from a 16 November opinion that he still continued all his 17 reasonable royalty opinions from August? 18 MR. ALTHERR: This is the November 19 opinion, November 28. You look at paragraph 22. 20 It says, "For the infringing sales upon which 21 Integra does not receive lost profits, Integra 22 is entitled the reasonable royalty damages." He 23 ended that one the same way he ended the August 24 25th after he went through, to let it be known

```
1
       in some event the lost profits was disallowed
 2
       which was happening in this case, not allowed to
 3
       get lost profits for lost sales, that we would
 4
       rely on reasonable royalty.
 5
                     THE COURT: Is this the number
       that he's going to offer at trial in paragraph
 6
 7
       22?
8
                     MR. ALTHERR: What that is, that
 9
       number relates to the number for the sales
10
       outside the United States.
11
                     THE COURT: So where is he
12
       indicating that he still has an opinion as to
13
       reasonable royalties within the United States
14
       and what that dollar figure is?
15
                     MR. ALTHERR: He did the
16
       calculation, Your Honor. The calculation, that
17
       goes back to his August 25th report.
18
                     THE COURT: But where in the
19
       November opinion, because I think we can see
20
       it's not paragraph 23. Where does he put the
21
       defendant on notice that he continues to believe
22
       that reasonable royalties are available within
23
       the U.S. and here is what they are?
24
                     MR. ALTHERR: Because he said for
```

anyone that didn't receive lost profits, he said
we're entitled to lost profits. That's in the
opinion. All right? And that's what he asked
for, where he provided it. And so we're saying
if you don't get lost profits, then you're
entitled to a reasonable royalty. He's only
calculated reasonable royalty in one way, except
on sales, and that was according to the way he
set it out in his August 25th, 2017 report.

Now, when he went to the report to
claim lost profits from lost sales on the
two-player market, there were no U.S. sales.

claim lost profits from lost sales on the

two-player market, there were no U.S. sales

because that was all based on U.S. sales. Once

that got knocked out, then you fall back on the

infringing sales which he didn't receive lost

profits and you apply the same exact

calculation. They're not being prejudiced in

any way. The calculation he put it in in great

detail in the first report, he has the reference

exactly how to apply it here. As you can see,

he puts down applying the reasonable royalty

rate to all accused sales results in reasonable

royalty damages at that time through

April 2017 calculated as royalty rate times the

```
total Adherus U.S. and outside U.S. revenues,
1
 2
                            times
       equals
                                             equals
 3
                and
 4
                     THE COURT: You don't have to read
 5
       all of this. I'm still left with the question,
 6
       this is August; correct?
 7
                     MR. ALTHERR: This is August, yes.
8
                     THE COURT: In and around November
9
       through today, or due very recently, how would
10
       the defendants had known that that was the
11
       opinion that he intended to offer with respect
12
       to damages?
13
                     MR. ALTHERR: Because as he set
14
       forth in there, he had the August 25th report,
15
       he still relied on all the parts which had not
16
       been stricken. The whole price erosion is in
17
       the August 25th report. You're allowing that.
18
       They're not contesting that. That's always in
19
       the August 25th. The calculations for a
20
       reasonable royalty was in the August 25th report
21
       and had not been stricken. They tried to get it
22
       stricken, but they didn't get it stricter.
23
                     THE COURT: Why shouldn't they
24
       have understood that the supplemental would
```

1 supercede what he had opined earlier? 2 MR. ALTHERR: Because he said in 3 here on paragraph 22 of the November report that the infringement sales for which he did not get 4 5 lost sales, that you would be able to get a 6 reasonable royalty. 7 The patent statute is clear that 8 you're entitled to damages adequate to 9 compensate for the infringement. And many cases 10 have held you can get reasonable royalty and 11 price erosion, which has always been the position all the way through. Now, when he was 12 13 taking the position that he was entitled to lost 14 profits from lost sales, which this Court 15 subsequently decided he was not, he still said 16 if you didn't get lost sales, you would get at 17 least reasonable royalty damages. 18 THE COURT: Thank you. Do the 19 defendants want to briefly respond? 20 MR. CRENSHAW: Thank you, Your 21 Honor. I think Your Honor has it mostly 22 correct. The November 24th report doesn't 23 disclose anywhere U.S. royalties. If you look 24 at supplemental tab 3 which is referenced in

1 paragraph 22, this is what I was talking about 2 where the numbers for U.S. royalties are zero. 3 So our understanding based on paragraph 22 which 4 says if lost profits are not available then 5 reasonable royalties, lost profits include price erosion. So Mr. Jarosz in his November 24th 6 7 report had a lost sales component lost profit 8 and a price erosion component. He never said if 9 price erosion is not shown, then reasonable 10 royalty. He said if lost profits are not shown. 11 So our understanding of his 12 opinion was lost profits and lost sales 100 13 percent, price erosion and a reasonable royalty 14 component for outside the U.S. So I think if 15 Your Honor just looks at tab 3 you will see 16 there is no disclosure of U.S. royalties and 17 then for footnote 37 on paragraph 23, which 18 Mr. Altherr didn't show you says that residual 19 royalties are for outside the U.S. sales. 20 Thank you. 21 THE COURT: Thank you. Let's talk 22 briefly about the defendant's objections to that 23 R&R regarding summary judgment of infringement 24 of claim 10 of the '034 patent. I know we had

gone through some of this earlier. Let's focus on it.

MR. PIVOVAR: I told you we would be back with the picture. One of the issues that comes up with is basically what our objections fall down to is this. All of the evidence that Magistrate Judge Burke relied on and what was presented to support the idea that the hydrogel forms within five seconds is all related to a gel time.

THE COURT: A gel time?

MR. PIVOVAR: A gel time. So just to show you how this works. When you mix two of these things, you have these precursors and they react with each other. And I know you have seen briefing on it. They form a reaction mixture after they mix and that initiates a chemical reaction. And as that chemical reaction proceeds, what you're doing is you're causing these different freestanding components to start to link up. At some point of that process, you're going to have enough of them connected that they're going to form a three-dimensional network. There will be other parts that are

1 still floating inside that that will then cure 2 over time. 3 You see you have you mix, you go 4 all the way down and at some point you get 5 equilibrium at some point in the future. What happens, you mix this up, it reacts, then you go 6 7 to what is known as a gel time which all the 8 experts in the case agree can be measured in 9 lots of different ways and it varies. And even 10 plaintiff's own expert has evidence they point 11 to where it could be one second or up to 12 four-and-a-half seconds for the accused products 13 which shows you a pretty big stretch. 14

So the argument we had was if you're going to use gel time, which is the very initial point when it gets some kind of metric of being defined as a gel time, there is different ways of measuring it, so there are different ways of getting different times, and that's why we have that indefinite.

15

16

17

18

19

20

21

22

23

24

So Dr. Mays recognized oh, if I go with gel time, it will be problematic. So during his deposition he said no, I think for claim 10 the requirement has to be a fully cured

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

23

118

hydrogel. You're going to see a solid aggregate at the gel time. You'll see that. You'll see solid aggregate from here all the way on. he said well, I know there are different ways to measure gel time. I'm going to say it's a fully cured hydrogel. A fully cured hydrogel according to Dr. Mays is that all of these components that can link up are there. So what we have is this issue. This is Jell-O. I don't mean to be like to pedantic about this, but if you have made Jell-O, you know you have to leave it sit for a really long time, about four hours. That's what the instructions say. But if you do it for less amount of time you get a soft set or a firmer So you're going to have a solid aggregate at the set time or the gel time which is two of the things that Magistrate Judge Burke and plaintiffs point to. But if you want it to be all the way fully cured, you have to wait the four hours. Hydrogel, Jell-O is a hydrogel.

22 It's got a dye in it. Different chemistry.

You're not going to want to eat it the way these

products are used, but the same concept.

So we asked Dr. Mays, we asked him, so in the context of claim 10 it says that the hydrogel forms. Do you see that? Yes. Now the hydrogel forms, that means there is a fully cured equilibrated hydrogel. Yes. And then we asked him, what does that mean. He says you react to all the functional groups that can react.

I don't want to be rearguing these issues, but it's the clarity that we need is that the order says essentially well, you have a fully cured hydrogel at the gel time and those are just, kind of just scientifically not true, because when you have a fully cured hydrogel, you reacted all the functional groups that can react, not that you're just at the stage where you have enough of them to form a solid. There is a distinction here and we play this out in a brief. Can you go back to the next slide.

This is the problem we have,

regardless of whether you call it gel time, set

time or cure time or fully cured gel, it doesn't

matter, but each one of those things is a

different metric associates with a different

1 time frame on that graphic that we looked at. 2 What we have now is we have an 3 order from Magistrate Judge Burke that says 4 well, it is a fully cured hydrogel. But then he 5 says, well, it's a visible solid and then he 6 points to evidence about gel time and set time. 7 So there is a lot of different metrics that are 8 being applied within the context. 9 So let me just show you one of the 10 distinctions of why this is important in terms 11 of how the products are actually applied. 12 this is a gel time measurement. And before we 13 go into this, I just want to say, one of the 14 things about a gel time measurement is it's 15 controlled so that when you squirt all the 16 material together, so it starts at one time. 17 Remember we talked about the indefiniteness of 18 the claim and I talked about how mixing can take 19 different amounts of time, in this experiment 20 you're controlling this to have everything mix 21 all at once. 22 If you click on the slide, you 23 have this spinning experiment and then if you 24 squirt everything in all at once and then it

1 stops. Could we go back and do it again. It's 2 a short video. Right. 3 So you see the little thing in 4 there spinning, it's in a liquid, that's one 5 precursor. You squirt in the other one and it 6 stops. Between the time when you squirt it in 7 and it stops, that's the gel time. What you can 8 see in here in the video, that's a solid 9 aggregate. Pick it up, there you go. So that's 10 a gel time measurement. Is that a fully cured 11 hydrogel? Is that going to meet the visible 12 solid aggregate part of the claim of how the 13 Court applied it for infringement? Because that 14 is an experiment that we're going to show to the 15 jury. If they say it's a fully cured hydrogel, 16 I don't think our expert is going to say that's 17 a fully cured hydrogel because not all of the 18 crosslinks have happened. And it's the same 19 thing with the accused products, not all of the 20 crosslinks have happened, so it really is just a 21 question of what does this claim mean and that 22 was the issue we had. 23 THE COURT: So if I sustain your 24 objection, would I be telling the jury that you

```
1
       need to have a fully cured hydrogel within five
 2
       seconds?
 3
                     MR. PIVOVAR: That's right,
 4
       because our position was, and this is how we
 5
       briefed it and we reargued it back to Your
 6
       Honor, if you go with the gel time, you saw that
 7
       spinning disc and it stopped, that's one
8
       measure. There is lots of other different
9
       measures. All of the experts in the case agree
10
       there is different ways you can get gel times
11
       and the numbers will change. So that's where we
12
       had our indefiniteness argument if you use a gel
13
       time or something initial.
14
                     THE COURT: If you don't have an
15
       indefiniteness objection, it would tell the jury
16
       that you need a fully cured hydrogel within the
17
       five seconds?
18
                     MR. PIVOVAR: Yes. And then it
19
       comes down to the fully cured hydrogel means
20
       that all of the crosslinks have been formed in
21
       the hydrogel.
22
                     THE COURT: That's what you would
23
       propose the instruction is?
24
                     MR. PIVOVAR: That's right,
```

according to what their own expert said. If you go to the slide we had right before the gel time experiment, I think you can see how this plays out. This is something you have to get numb to, but this is an actual application of what we have, the product, we have a video of this ready. And that is not it.

Right here, Your Honor. So what you're going to see is the person spraying this over -- I think you probably saw pictures.

They're spraying this over the incision site.

And it's hitting it and it's setting because you

They're spraying this over the incision site.

And it's hitting it and it's setting because you want it to stick. But if you're going to have a fully cured hydrogel, that's not the fully cured hydrogel yet because they spray more on, and more of it has to crosslink and it's building up a bigger hydrogel.

And you can just see from the time of the application getting all the way to the fully cured hydrogel that you have at the end of the application is taking a lot longer than five seconds. That's the issue that we have is the application process drags that out.

So if we did say it's fully cured,

```
1
       it's a fully cured hydrogel, you have to put it
 2
       at all of the crosslinking has been formed
 3
       because as you put down more layers you get more
 4
       crosslinking because you're building it up more.
 5
       If that's the appropriate construction, then
 6
       yes, we believe that would be definite.
 7
                     THE COURT: Okay. Thank you.
8
                     MR. PIVOVAR: Thank you, Your
 9
       Honor.
10
                     THE COURT: I'll hear from
11
       plaintiff.
12
                     MR. ALTHERR: Your Honor,
13
       Magistrate Judge Burke reconciled the motion for
14
       summary judgment. What HyperBranch is arguing
15
       now is that the Court erred in conflating fully
16
       cured with gel time. Fully cured is not a -- or
17
       gel time, either one of those, are terms that
18
       are in the patent claim. And they are not what
19
       magistrate judge construed the language to mean.
20
                     The operative language there is
21
       the hydrogel forms within five seconds.
22
       Magistrate Burke said that means that you have a
23
       visible solid aggregate has been formed which
24
       can be determined by way of visual inspection.
```

1 Now, there is no dispute that that 2 is exactly what they have in the accused 3 product. HyperBranch's own documents show that 4 it forms a solid aggregate within five seconds. 5 Start down at the very bottom, the Adherus products, polarize to form a hydrogel. 6 7 Film when sprayed on to the surgical site, an 8 immediate polymerization time ranging between 9 0.96 to 1.47. The immediate polymerization. 10 That's their chart that shows what their product 11 They also state that the Adherus hydrogel allows for such rapid self polymerization that a 12 13 watertight barrier is formed within one second. 14 If it's a watertight barrier, it's a visible 15 solid aggregate that's been formed. 16 THE COURT: Are you saying that 17 it's done reacting and it's complete in these 18 time frames? 19 MR. ALTHERR: No. The reaction, 20 they are not saying that it's fully cured or 21 that it's a complete crosslinked reaction. 22 That's not what the claim requires and that's 23 not what Judge Burke said that it meant. All 24 you had to do was form a solid aggregate as

1 determined by visual inspection. 2 Now, according to that claim 3 construction that he had, which is correct, 4 there is no dispute that their documents meet 5 that, or their products meet that. Their enablement documents specify that it happens 6 7 within those amount of times numerous times. 8 THE COURT: I don't think that's 9 in dispute. I don't think they're arguing about 10 that at this point. 11 MR. ALTHERR: Their own expert 12 testified that he uses visual inspection to see 13 if the hydrogel has been formed, to determine if 14 it's there. So the prior art that they relied 15 on, that U.S. Patent 7,964,217 says that the 16 hydrogel that is formed is visible in solid 17 aggregate. 18 So all of this, all right, is 19 really an attack upon Judge Burke's claim 20 construction, which definitely he is right. 21 Visible solid aggregate has been formed as 22 determined by way of visual inspection. 23 adopt that claim construction that they had, 24 then there is no dispute their product meets the

```
1
       clearance of that claim construction and,
 2
       therefore, summary judgment is appropriate.
 3
                     THE COURT: What about what
 4
       Dr. Mays said about fully cured?
 5
                     MR. ALTHERR: Dr. Mays has said a
       number of things. They're pulling one part out
 6
 7
       of context out of his whole testimony. If you
8
       look at his whole testimony, he said that when
9
       it forms a solid, you can see it.
10
                     THE COURT: Okay. But what about
11
       the portion where he says, "I mean, fully cured,
12
       we have completed all of what we can complete."
13
                     MR. ALTHERR: He didn't mean
14
       complete -- he meant fully cured meaning you
15
       form the solid aggregate. He didn't mean
16
       crosslinking was completed. Crosslinking could
17
       go on for hours.
18
                     THE COURT: Okay. Anything
19
       further on this?
20
                     MR. PIVOVAR: No.
21
                     THE COURT: Anything further from
22
       the plaintiff on this?
23
                     MR. ALTHERR: Your Honor, if I may
24
       add one more thing. One of the things that
```

1 Judge Burke was relying on, too, when he came up 2 with that claim construction was that the -- he 3 said the Court further noted that Dr. Lowman was 4 able to assess by visual observation whether a 5 sufficient amount of crosslinking between 6 functional groups had occurred such that 7 hydrogel was formed. Even their own expert says 8 you don't have to have it fully cured, just a 9 sufficient amount of crosslinking. 10 THE COURT: Thank you. Anything 11 further from the defendant? 12 MR. PIVOVAR: Briefly, Your Honor. 13 I just wanted to go back to what Dr. Mays' 14 initial report said and what plaintiffs relied 15 on in their opening brief. And that is you see 16 the gel time here and it's a gel time of less 17 than one second is what he says in the first 18 paragraph. He comes down, he says I also 19 conducted gel time experiments, and he says a 20 mean gel time of 3.26 seconds and a standard 21 deviation of 1.1. That's up to almost four 22 seconds. 23 What you heard from plaintiffs 24 just then is it's not all the way fully cured at

1 the gel time. If you take this evidence in 2 light most favorable to us, that's 4.5 seconds 3 and then it gets to a fully cured hydrogel by five. If you don't have any other additional 4 5 questions. THE COURT: What about Dr. Lowman 6 7 apparently talking about sufficient solidification. 8 9 MR. PIVOVAR: So those are taken 10 out of context. Eventually if you have a solid 11 and you let it go long enough, and look at it, 12 and keep in mind, too, when they point to this 13 other reference it says a visible solid 14 aggregate has been formed which in theory all 15 the crosslinks have been formed. Because if you 16 wait long enough, it will cure because curing 17 takes time. And what Dr. Lowman was saying, if 18 I can just put this on, I think I have this on. 19 It's universally accepted among the experts and 20 all the documents that hydrogel forms at the gel 21 point. 22 So the point being is that what it 23 means to have a hydrogel forming has different 24 connotations. Are you talking about the

1 hydrogel forming at the gel point? Are you 2 talking about having a hydrogel form when it's 3 fully cured? And that's the difference. 4 And when they say oh, Dr. Lowman 5 is talking about gel formation, he's talking 6 about this context of the gel form and the gel 7 time. We'll leave it at that. That's it. 8 THE COURT: Obviously we have got 9 a lot of R&Rs. On this one, Judge Burke did his 10 claim construction in connection with ruling and 11 making a recommendation on summary judgment; is 12 that correct? 13 MR. PIVOVAR: That's right. 14 THE COURT: Did you propose a 15 construction that he rejected. 16 MR. PIVOVAR: Yes, we proposed if 17 it's gel time, it's indefinite. It has to be a 18 fully cured hydrogel at the end point of that 19 graphic, which is all of that crosslinks that 20 can form have formed. 21 THE COURT: Thank you very much. 22 MR. PIVOVAR: Is there any chance 23 that we can make a request that we can take a 24 short recess?

```
1
                     THE COURT: Yes. We will do that
 2
       in just a moment. Plaintiff, do you have
 3
       anything else on this motion?
 4
                     MR. ALTHERR: No, Your Honor.
 5
                     THE COURT: Let's take a short
 6
       recess.
 7
                      (A brief recess was taken.)
8
                     THE COURT: All right. Let me
 9
       tell you where we are. I have about a half an
10
       hour still this morning and then I have to take
11
       a break and I'll meet you back here at two
12
       o'clock to cover whatever we don't get to
       between now and when we take a break.
13
14
                     I'm going to give you a ruling on
15
       one of the issues that we argued this morning.
16
       And then I may have more rulings for you later
17
       when we come back.
18
                     The issue that I am ready to rule
19
       on is the defendant's motion to sever and stay
20
       the proceedings with respect to claim 10 of the
21
        '034 patent, I have decided to grant this
22
       motion.
23
                     We have maybe not a unique but
24
       certainly unusual situation where we are just a
```

1 couple weeks from trial and we have had a final 2 written decision from PTAB finding that this 3 claim is not patentable and at the same time I 4 have an R&R from the magistrate judge 5 recommending that I grant summary judgment finding that this same claim is infringed. 6 7 So this raises an interesting, 8 again, perhaps unique situation and certainly 9 one that I have not found and the parties have 10 not found in any court confronting and deciding 11 to this point. It presents a discretionary decision and in my view the proper exercise of 12 13 my discretion looks different now than if did 14 when we talked about what things looked like in 15 early April. 16 And my view is that my best 17 exercise of my discretion is not to put this 18 claim in front of the jury at that time, May 29. 19 How did I reach that conclusion? 20 I had considered the simplification factor and I 21 am persuaded that my decision to sever claim 10 22 will simplify this trial. At a minimum it takes 23 out any argument that the jury should hear about 24 the IPR, the PTAB, and its findings.

Similarly, if I were to adopt

Judge Burke's R&R on claim 10, it takes out the complications of telling the jury that the defendant has been adjudicated to be an infringer while still at the same time asking them to be open minded and decide that the defendant is an infringer on other claims.

It takes out any issues that remain with respect to infringement and

It takes out any issues that remain with respect to infringement and invalidity as to claim 10. I'm not yet ruling on whether I'm adopting the R&R, so I can't yet say whether there would be something about infringement left to try.

In terms of invalidity, I am at this point not at all persuaded by the plaintiff's argument that the defendant would be estopped from presenting invalidity defenses only to prevail in front of the PTAB, so my belief is that my decision is simplifying the case by removing from the jury's presentation invalidity defenses that otherwise I would have to allow to be put forward by the defendant as part of this trial. So I do think my decision will simplify the case.

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

134

I recognize that the status of the case is one where I'm making this decision very late in the day and the parties are almost entirely completed in their preparations to try claim 10, but the reality is we got the decision from the PTAB when we did. We got to the summary judgment issue with respect to claim 10 And there is still issues related when we did. to that that are open since I haven't ruled on the objections. And while certainly the later in the case an issue like this comes up, the less likely the court is to grant the stay and sever. That is only one factor, not dispositive, and here I have weighted and the full balance. In terms of prejudice, I recognize the parties are direct competitors. But this particular claim is due to expire soon, I believe in November of this year, so I'm persuaded by the defendant that even if the plaintiff were to go to trial in May on claim 10 and prevail, and there was no decision from the

Federal Circuit in the meantime affirming the

PTAB, there is enough litigation here that it

seems almost impossible to imagine that the plaintiff would persuade me to enter injunctive relief on the basis of this claim before it expired in November. That's without even considering issues related to the public interest and irreparable harm.

Further, I do think it's fair to the prejudice to the defendant, I alluded to how the defendant would be prejudiced, he would be prejudiced if we go forward either by me estopping them from having a jury consider defenses on which they prevailed, which is what the plaintiff asked me to do, or having to defend against a claim on which they have prevailed without the jury hearing anything about those proceedings or how they prevailed. And I don't think that given the full context I should be prejudicing the defendant with respect to this claim in that way.

Further, if I look down into the future with respect to the simplification factor, I do think the risk of having to do another trial with you all related to this case is significantly greater if I go forward on

1 claim 10 at this point than if I do not. 2 While it is inherently 3 speculative, the odds seem to me much greater 4 that if we present damages to the jury in the 5 way the plaintiffs have asked me to, in the way 6 they developed their evidence, in the way they 7 have asked me to instruct the jury and the 8 verdict sheet they have asked me to give to the 9 jury, it seems much more likely I would be 10 buying a second trial at least on damages 11 because the odds are that the PTAB decision is 12 going to be affirmed on appeal, so that seems a 13 greater risk. And to avoid the greater risk 14 than an alternative risk, which I recognize 15 which is that you all may be back here just to 16 try claim 10 of the '034 patent after the 17 Federal Circuit reverses the PTAB, that is a 18 possibility, it seems to me much less likely. 19 And I further say there are issues 20 that have been reserved for a bench trial in 21 this case, there is another case, and you all 22 have thrown at me and Judge Burke an inordinate 23 number of decisions, so I think this case more 24 so than others is one that we're all likely to

get to know each other very, very well over the next many years because it's hard to imagine as hard as Judge Burke and I try that the Federal Circuit is going to agree with everything that we have done, so it seems to me the odds are you are coming back and we are going to have more trials in this case regardless, which is all the more reason for me to do what I think is right which here I think the correct discretionary decision is to take claim 10 of the '034 patent out.

giving you. Now, a number of the other issues that have been argued this morning and some that are still on the agenda are implicated by claim 10 of the '034 patent. I'll ask that during the break you think about what impact this has on any of the other issues that have been argued or the ones that we're about to argue, but if either of you have a position offhand, if you thought through what you would want me to do with respect to other issues that related to claim 10, if in fact as I have now, I have stayed claim 10, I would be happy to hear it.

Let me ask the defendants first. 1 2 MR. CRENSHAW: Your Honor, one of 3 the issues that we're going to discuss later and 4 that was raised in the pretrial order relates to 5 depositions of German doctors, Dr. Jacobs and 6 Mettler. Those are currently set to go forward 7 tomorrow. They relate solely to an invalidity 8 argument related to claim 10. 9 We have a host of issues with 10 those depositions going forward tomorrow, but I 11 think Your Honor's ruling relieves us of those issues. I would just say that any depositions 12 13 of Drs. Jacobs and Mettler would be postponed 14 and we can deal with them in an appropriate 15 manner at an appropriate time. And I think 16 that's the only other one that we have. 17 Thank you. 18 THE COURT: I guess plaintiff, if 19 you want to respond to that. Do you object to 20 the depositions not going forward tomorrow? 21 MR. ALTHERR: Yes, Your Honor. 22 have made substantial arrangements. Dr. Mettler 23 is in Germany. Dr. Mettler is very busy. She's 24 a very aged person. We want to be able to

```
1
       preserve that testimony. Now, one way, one
 2
       possible way that we could moot it is if you
 3
       would rule that as pursuant to 315(e)(2) that
 4
       they are estopped from presenting the Jacobs
       reference because that's a reference that's on
 5
       the face of the patent, and they knew or -- they
 6
 7
       either raised it or could have raised it. And
8
       the majority of district courts have held that
 9
       that is a proper basis for estoppel. If they
10
       would be estopped on that reference then the
11
       deposition would not have to go through,
12
       however, in order to preserve her testimony, she
13
       is an aged woman.
14
                     THE COURT: There is two
15
       depositions for tomorrow. Are you asking that
16
       both of them go forward?
17
                     MR. ALTHERR: I thought it was
18
       just Dr. Mettler for tomorrow and -- if Jacobs
19
       is going forward, we want that one, too, also,
20
       Your Honor, for the same reason.
21
                     THE COURT: Let's get this
22
       resolved. Are there two scheduled for tomorrow?
23
                     MR. CRENSHAW: Your Honor, it's
24
       our understanding they are supposed to go back
```

14(

1	to back. I would ask Mr. Altherr to identify
2	the substantial preparation. As far as we know,
3	there will be a conference call, a court
4	reporter will be sitting in Arizona with the
5	co-counsel, Mr. Shaw will be taking it
6	telephonically and the doctor will be in
7	Germany. And we don't have any contact
8	information for my court reporter or any other
9	personnel in Germany. We have no way of getting
10	documents that we may want to use on
11	cross-examination with the witnesses. This has
12	been slapped together and we have been kept in
13	the dark on the preparation. They hadn't told
14	us how this is going to go forward or how this
15	is going to preserve testimony that could be
16	presented to the jury. This is a conference
17	call that could be transcribed. We are not sure
18	what oath will be given if there will be anyone
19	there to administer an oath. We don't believe
20	substantial preparations have taken place and we
21	have serious, serious concerns about going
22	forward tomorrow. As Mr. Alter said, he thinks
23	there is only one deposition.
24	THE COURT: Can we get some

1 clarification from plaintiff? 2 MR. ALTHERR: Well, Mr. Shaw, who 3 is our co-counsel is handling the depositions is 4 not here. I would like to during the break be able to contact him on that. 5 As I did say, these are aged 6 7 people. They are old. And if you're going to 8 stay this case for a period of could be a couple 9 of years, and that we may very well lose that 10 testimony. So the deposition should go forward 11 in order to preserve that, unless Your Honor is 12 willing to say that they are estopped from 13 presenting that evidence which the majority of 14 district case law supports. 15 THE COURT: Okav. Thank you. 16 don't think the defendants have addressed 17 whether you're estopped from pressing the Jacobs 18 reference. Who wants to speak to that? 19 MR. GRAVES: We haven't heard of 20 that argument until yesterday, I believe. But I 21 haven't seen case law for the proposition that 22 where there is institution on obviousness 23 grounds the patent is held obvious, institutions 24 denied on one particular alleged anticipatory

```
1
       reference, that the petitioners then forever is
 2
       estopped from asserting any other possible
 3
       anticipatory reference. I think that's their
 4
       argument here.
 5
                     THE COURT: If I understand it,
       Jacobs is cited on the face of the patent.
 6
 7
                     MR. GRAVES: It is.
8
                     THE COURT: So it could have been
9
       raised as a grounds for institution and
10
       invalidity, couldn't it?
11
                     MR. GRAVES: It could have based
12
       on its appearance on the face of the patent.
13
                     THE COURT: Why does that not mean
14
       you're estopped?
15
                     MR. GRAVES: Well, we haven't
16
       gotten to the point -- this patent is going to
17
       be, we believe, invalidated in any regard. So I
18
       think with Your Honor's severing and staying
19
       claim 10, the issue of IPR estoppel doesn't even
20
       need to be addressed right now. I think it's
21
       effectively moot.
22
                     THE COURT: That may be, then the
23
       plaintiffs are going to want to go forward with
24
       the depositions, which you have now requested I
```

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

143

not make them go forward with. They say they're aging and they might well preserve testimony, it likely will be years before we get to try claim 10 at this point, so why not preserve this testimony.

MR. GRAVES: We could preserve it, take their depositions next month after the jury trial. There is no reason to have to go forward tomorrow, particularly since we just got documents from the plaintiffs at the close of business yesterday after we have been asking for them for months regarding these depositions. haven't had a chance to prepare and go through those documents. And as Mr. Crenshaw outlined, there is a lot of question marks about how this procedure is even going down tomorrow, and we have mediation tomorrow and we have trial in two weeks. We should be devoting our resources to trial on the issues that are going to go forward. We're happy to take their depositions next month. I haven't heard testimony that they're so aged, they're sick and won't be around in four to six weeks.

THE COURT: What about the

1 suggestion now not to cancel it forever, but you 2 all have a lot of other things to do. Why not 3 push it back by a month? 4 MR. ALTHERR: Your Honor, as I 5 said, it is set to go tomorrow. THE COURT: All right. You're not 6 7 able to tell me about the preparations or the 8 details. When we come back at two o'clock you 9 let me know because they raised a lot of good 10 questions that in fairness you're not able to 11 answer about what's going to happen tomorrow. 12 MR. ALTHERR: That is correct, 13 Your Honor. 14 THE COURT: We'll have the answer 15 at two o'clock. I would ask during the break 16 also that you all think about whether or not you 17 still want me to recall on all of the other 18 issue about claim 10 that have been argued this 19 morning, so I want your positions on that. 20 With your remaining time before I 21 have to break, let's try to turn to some of the 22 other issues that I identified that I didn't 23 resolve in the earlier order. We'll start with 24 defendant had a request to depose plaintiff's

```
1
       experts on the content of their supplemental
 2
       expert reports. This was identified around page
 3
       20 of the pretrial order. Let's hear from the
 4
       defendants if that's still a ripe issue that I
 5
       need to resolve.
 6
                     MR. PIVOVAR: Your Honor, I think
 7
       this is probably something that's been mooted by
8
       the Court's claim construction.
 9
                     THE COURT: You're not asking for
10
       any relief on this?
11
                     MR. PIVOVAR: No. At the time we
12
       were, but not anymore.
13
                     THE COURT: Fair enough.
14
       question about that from plaintiff?
15
                     MR. ALTHERR: No, Your Honor.
16
                     THE COURT: Okay. Then I was next
17
       unclear if plaintiffs had a position on whether
18
       they're going to assert a theory of joint
19
       infringement or vicarious liability with respect
20
       to the direct infringement of claim 10 of the
21
        '034 or claim 5 of the '566 patent which is not
22
       severed in this case from 10. And we talked
23
       about direct infringement four, that's been
24
       dropped as I understand it. What about claim 4
```

```
1
       of the '566 patent?
 2
                     MR. ALTHERR: We will not -- we
 3
       will be asserting direct infringement, but not
 4
       vicarious liability.
 5
                     THE COURT: You will be asserting
 6
       direct infringement, but not by vicarious
7
       liability?
8
                     MR. ALTHERR: That's right, Your
9
       Honor.
10
                     THE COURT: Do the defendants have
11
       any concerns about that?
12
                     MR. TIGAN: Your Honor, I was
13
       going to address this issue, but in light of
14
       that, no preference.
15
                     THE COURT: Thank you. I didn't
16
       know about the plaintiff's position about
17
       whether you intend to assert doctrine of
18
       equivalents infringement to any claims of the
19
       3,705 patent?
20
                     MR. ALTHERR: No, just literal
21
       infringement on 3,705.
22
                     THE COURT: Any concerns about
23
       that from the defendant?
24
                     MR. CRENSHAW: No, Your Honor.
```

```
1
                     THE COURT: All right.
                                              The
 2
       plaintiffs were asking that the defendants be
 3
       made to disclose the invalidity theories on
 4
       which the defendant intends to proceed at trial.
 5
       Given all of the rulings to this point, is there
 6
       still an issue with respect to that?
 7
                     MR. IWANICKI: Yes, Your Honor.
8
                     THE COURT: Come to the podium and
 9
       let me know what you're looking for.
10
                     MR. IWANICKI: Your Honor, what
11
       we're looking for is for them to tell us what
12
       invalidity positions with respect to 112 they're
13
       actually going to bring. They have never done
14
       that. They have never told us for this claim,
15
       this is what our 112 defense is going to be.
16
       They haven't itemized that, Your Honor.
17
                     THE COURT: Okay. Let me see what
       the defendant feels.
18
19
                     MR. CRENSHAW: Respectfully, Your
20
       Honor, we have told them and we have told them
21
       in our expert reports and we told them in our
22
       disclosure of prior art grounds.
23
                     THE COURT: So you are going
24
       forward on all of those defenses you have
```

1 disclosed? 2 MR. CRENSHAW: Based on our 3 invalidity case especially with respect to 112 4 issue is necessarily a rebuttal case. So our 5 invalidity positions on 112, written description, enablement and indefiniteness are 6 7 going to be based on how they present their 8 case. They're not telling us the infringement 9 theories they're going to go forward on and how 10 their experts are going to be interpreting and 11 specifically going beyond the proper scope of 12 the claims, so we don't know exactly how we're 13 going to present our 112 issues until we have 14 heard what they are going to disclose. They have the information --15 16 THE COURT: Could you at least 17 tell us, there is however many asserted claims, 18 I have forgotten at the moment, which types of 19 defenses you are going to present to the jury 20 with respect to each of those claims. 21 MR. CRENSHAW: We have, Your 22 Honor, for the predetermined thickness claims, 23 we have the issue of indefiniteness as 24 Mr. Pivovar pointed out for gel time. We don't

believe there is sufficient disclosure for visualization agent causing a categorical color change.

We're not sure exactly what they're asking. If they are asking us and I believe in their submission they're asking us to be held to a specific set of arguments, we have disclosed those arguments. If they are asking for a list, I mean, I guess we could look through the expert reports and compile the headings.

THE COURT: I think what they're worried about is that they're going to prepare to respond to all of the defenses and all of your expert reports and then you're going to show up at trial and present a subset of those and they will have wasted their time.

MR. CRENSHAW: Again, our 112

defenses are primarily a backstop against the interpretations that they're going to present at trial. So to the extent that their experts don't veer outside of what is properly enabled or what we believe has been the scope of the claims, we won't have those to present. What

15(

1 they're really asking us to present is they're 2 asking us to disavowal those defenses ahead of 3 trial and we're not prepared to do that at this 4 point in time. 5 If they agree that they won't 6 present argument that runs afoul of 112 issues, 7 then certainly we won't be presenting 112. 8 THE COURT: With respect to 9 obviousness and anticipation, you have disclosed 10 to them specifically which of those defenses you 11 are going to assert? 12 MR. CRENSHAW: Absolutely, Your 13 Honor. That's in the pretrial submissions. 14 was in the disclosure of prior art grounds. 15 I don't think I have heard anything that says we 16 have not complied with the Court's orders in 17 that regard, or that they are somewhat unclear 18 as to what we will be presenting. 19 And I will just note that, Your 20 Honor, that the invalidity case, our invalidity 21 case for claim 10 was a large, large portion of 22 our invalidity case outsized as compared to the 23 other two, so I think we have already 24 significantly narrowed the invalidity issues

```
1
       that we will present at trial.
 2
                     THE COURT: All right. Does any
 3
       of that help?
 4
                     MR. IWANICKI: Your Honor, I think
 5
       that it would be helpful for them to provide us
 6
       with a list of what their invalidity defenses
 7
       are going to be with respect to 112. I have got
8
       a document here which is the proposed defendant
9
       proposed verdict form and there isn't anything
10
       in here identifying what the claim limitations
11
       are with respect to what's invalid under 112 and
12
       what's not. So it would be helpful, Your Honor,
13
       if they were to provide us with something more
14
       than go look in the expert reports and make --
15
                     THE COURT: Well, with respect to
16
       anticipation and obviousness, do you have what
17
       you need?
18
                     MR. IWANICKI: Yes, Your Honor.
19
                     THE COURT: So we're just talking
20
       about 112?
21
                     MR. IWANICKI: Yes.
22
                     THE COURT: All right. And what
23
       about the argument that they need to see what
24
       you all do with respect to your interpretation
```

1 of the claims and what you present at trial? 2 MR. IWANICKI: I think, Your 3 Honor, the interpretations of the claims are --4 we received the Court's claim construction, and 5 so to the extent that they think that there are 6 issues with respect to the Court's claim 7 construction, then they should be identifying 8 those now. 9 There are some positions that are 10 weaker than others with respect to those in 11 their expert report, and we have as Your Honor 12 knows, we have got a limited number of time to 13 present issues at trial, and so you know, I 14 think you hit it on the head where we're going 15 to be preparing for everything because they 16 haven't told us that anything is excluded and 17 then they're going to show up with a subset of 18 these things. 19 In my view, Your Honor, it's just 20 forcing us to do some unnecessary preparation 21 for trial when they should be with respect to 22 their burden identifying, you know, what actual 23 112 invalidity defenses they're going to be 24 bringing by identifying the claim limitations,

1 whether they lack written description, whether 2 they lack enablement, whether it's indefinite, 3 but they should be able to do that. THE COURT: So what you're looking 4 5 for is with respect to all of your asserted 6 claims for them to tell you if they're going 7 forward on enablement, written description and/or indefiniteness? 8 9 MR. IWANICKI: And the reason 10 therefor. I mean, it's indefinite because of 11 this phrase. It lacks enablement because of 12 this. We're not asking them to cut and paste 13 whole sections of their expert report, give us a 14 list, tell us what you're going to be proceeding 15 at trial. 16 THE COURT: All right. Do you 17 want to respond? 18 MR. CRENSHAW: Your Honor, we're 19 happy to pull out a list of that on the 20 condition that plaintiffs identify to us what 21 their infringement theories are going to be 22 especially with respect to the visualization 23 agent. They have had disclosures that the 24 visualization agent is a dye, it's air bubbles,

1 it is a dye plus air bubbles. And they have 2 presented all of those in their expert report. 3 They haven't disavowaled any of those. And we don't know what those are going to be, so 4 5 dependent on that issue our 112 issues are going 6 to be impacted. 7 Also, we don't know what exactly 8 what they're going to rely on for the observable 9 change. Is it obscuring? Is it a change from 10 pink to green? Is it a deep green? Is it an 11 even green? All of these have been disclosed by 12 plaintiff's expert so we're also shooting at a 13 moving target here. So our response is 14 necessarily predicated on what they're going to 15 present. If they disclose to us what those 16 specific issues are, we can happily narrow down 17 our disclosures. However, we have disclosed to 18 them the basis for indefiniteness, written 19 description and enablement. 20 THE COURT: Are plaintiffs willing 21 to disclose further what you're going to do on 22 your infringement case consistent with what was 23 just asked for? 24 MR. IWANICKI: Your Honor, the

issue, we're working with the Court's claim construction with respect to how the Court construed visualization agent. If they have a issue with respect to the indefiniteness of that claim or lack of written description or lack of enablement, they do it outside of anything we present. I mean, again, you have got this sort of dichotomy here. You got infringement and you got invalidity, and they should be able to identify based upon the Court's claim constructions whether or not they're going to pursue any position with respect to 112 invalidity defenses.

THE COURT: Okay. I'm not granting any relief on this. Certainly the parties are free to and encouraged to meet and confer as you narrow your case and define what you're going to do. And if you can work out a mechanism with which you're both comfortable with that you disclose with more specificity to one another to hopefully save each other time and energy preparing for things that are going to be part of trial, that would be great, but I'm not persuaded that plaintiffs are somehow in

1 an unfairly prejudicial situation and is 2 entitled to any relief on this score. 3 Certainly nobody is going to be 4 allowed to present something at trail that was 5 not adequately disclosed in discovery and expert 6 reports prior to trial. And if either side 7 thinks that's what's happening, you should let 8 me know and I will deal with it at that time. 9 A couple more. Plaintiffs had 10 objections to Dr. Lowman and to Dr. Flombaum. 11 Is that something different than what we have 12 already talked about in connection with all these other motions? This was at pages 26 and 13 14 27 of the pretrial order. 15 MR. ALTHERR: No, Your Honor, 16 that's exactly what we covered, but I'm still 17 uncertain on Dr. Flombaum's position. Is he 18 going to be permitted to testify? Because his 19 theory was strictly color matching. You can't 20 do it from memory to take paint and go pick out 21 in a paint store a specific color you want to 22 match your wall. 23 THE COURT: Right. So that again 24 I think is going to require you all to meet and

```
1
       confer and apply my ruling from earlier today
 2
       and figuring out if you think there is anything
 3
       else for that witness to testify to. But in any
 4
       event, we have discussed I think the issues that
 5
       you meant to flag for my attention at pages 26
       and 27. Is that right?
 6
7
                     MR. ALTHERR: Yes, Your Honor.
8
                     THE COURT: Defendants, anything
9
       further to say on Flombaum and Lowman?
10
                     MR. PIVOVAR: No, Your Honor.
11
                     THE COURT: Okay. HyperBranch had
12
       objected to plaintiff's identification of
13
       Dr. Jacobs and Mettler on the witness list.
14
       Those are the same folks that are subject to the
15
       deposition tomorrow; is that right?
16
                     MR. CRENSHAW: Yes, Your Honor --
17
                     THE COURT: I think that they're
18
       not going to be on the witness list at trial.
                     MR. CRENSHAW: Right. And I think
19
20
       that's wrapped up in all that. So a slightly
21
       different issue, the depositions going forward
22
       tomorrow we'll address afterwards, them being on
23
       the witness list. I presume they'll be removed.
24
                     THE COURT: I think that's right.
```

```
1
       I think given my ruling to sever, there is no
 2
       other basis to put these two witnesses on the
 3
       witness list for trial. Is that right?
 4
                     MR. ALTHERR: That's correct, Your
 5
       Honor.
 6
                     THE COURT: How about this,
 7
       Mr. Thomas Harrison, the defendants object to
8
       calling him; right?
 9
                     MR. GRIMM: I'll speak to this
10
       one, Your Honor. I was prepared yesterday to
11
       decide who was going to do what and this one
12
       seemed like the simplest and easiest to
13
       understand and present, so I was unanimously
14
       chosen.
15
                     The issue really is very simple,
16
       Your Honor.
                     It's whether plaintiff should be
17
       permitted to call Thomas Harrison as a witness
18
       even though they never disclosed him in the Rule
19
       26 disclosures or in response to
20
       interrogatories.
                     We think that Your Honor should
21
22
       preclude Mr. Harrison from testifying first
23
       because he was not timely identified in their
24
       Rule 26 disclosures. They never supplemented
```

```
1
       their Rule 26 disclosures at any time. They
 2
       never identified in the response to
 3
       interrogatory answers.
 4
                     And secondly because plaintiff had
 5
       other witnesses who they did properly identify
 6
       who could testify about the very same topics of
 7
       which they proposed Mr. Harrison to testify, and
8
       they have these two witnesses who are Mr. Lennox
 9
       and Ms. Tan on their witness list.
10
                     THE COURT: If I recall correctly,
11
       part of the issue here seemed to be that there
12
       were things that you all elicited from the other
13
       two witnesses that you wanted the opportunity to
14
       use at trial. Is that part of the issue here?
                     MR. GRIMM: I don't know if that's
15
16
       part of the issue or not, Your Honor.
17
       certainly plan to cross-examine those witnesses
18
       when they're called at trial.
19
                     THE COURT: Those two witnesses I
20
       think testified as 30(b)(6) witnesses?
21
                     MR. GRIMM: That's correct, Your
22
       Honor.
23
                     THE COURT: Do you have any
24
       concern, is this implicated at all in this
```

1 dispute, do you have any concern that you would 2 be able to use that testimony at trial for 3 purposes even if I let them call this witness, 4 Harrison? 5 MR. GRIMM: Well, if they call 6 Lennox and Tan, certainly we can cross-examine 7 them and that won't be a concern. That concern 8 won't be there. But it doesn't resolve the 9 issue over the prejudice to us of being 10 confronted with a new witness who was never 11 properly identified. 12 And I think what's important here, 13 Your Honor, is they propose for him to testify 14 about broad topics that other witnesses can 15 testify about. It's not like they're presenting 16 unique evidence that only his personal knowledge 17 is necessary. It's not as if a new issue arose 18 in this case towards the end of the scheduling 19 period that caused them to say oh, my gosh, we 20 need to respond to this and only Mr. Harrison 21 has the information to do that. 22 THE COURT: Thank you. 23 give the plaintiffs a chance to respond. 24 MR. ALTHERR: I have some slides

```
1
       on this, Your Honor.
 2
                     THE COURT: All right. Well,
 3
       then, maybe we should put this off.
 4
                     MR. ALTHERR: It's just one slide.
 5
                     THE COURT: Let's see if we can do
 6
       it quickly.
 7
                     MR. ALTHERR: Your Honor,
8
       Mr. Harrison was made known to them.
9
                     THE COURT: His name appears but
10
       you never disclosed him as someone having
11
       information, did you?
12
                     MR. ALTHERR: Yes, we did, Your
13
       Honor, in depositions.
14
                     THE COURT: But you didn't list
15
       him in your specific disclosure, right, you
16
       implicitly disclosed him.
                     MR. ALTHERR: We did not list him
17
       on our rule -- our initial information
18
19
       disclosures. We didn't list him on that.
20
       don't recall any deposition where they asked to
21
       list the witnesses who were going to testify at
22
       trial, any interrogatory. Mr. Harrison was
23
       selected, he was one of ten custodians --
24
                     THE COURT: Put all that aside.
```

```
1
       Why do you need him at this point?
 2
                     MR. ALTHERR: As the 30(b)(6)
 3
       witnesses indicated, they had to go to him to
 4
       get particular information and consulted with
       him where he had firsthand information about
 5
 6
       things that they did not. And they were
 7
       relaying what Mr. Harrison had advised them.
8
       Mr. Harrison talked about general corporate
 9
       background in his --
10
                     THE COURT: But you all put up
11
       where you did on 30(b)(6), those statements are
12
       binding on the plaintiff, those are coming in at
13
       trail; correct?
14
                     MR. ALTHERR: They're binding on
15
       plaintiff to the extent that they want to use
16
       him, they can come in. As far as what we have
17
       to say, if Ms. Tan is up there and said well,
18
       Mr. Harrison told me this, I'm sure I'm going to
19
       get an objection from them.
20
                     THE COURT: Is that what you're
21
       trying to avoid?
22
                     MR. ALTHERR: I want to avoid
23
       that. I want to be able to discern documents
24
       that he had input into to be able to explain his
```

```
1
       input into those documents, and also he was a
 2
       specific source of factual information for
 3
       Mr. Jarosz's opinions.
 4
                     They were told multiple times, in
 5
       the 30(b)(6) deposition he was consulted, he was
 6
       told in several of Mr. Lennox's declarations
 7
       that were filed in this case that Mr. Harrison
8
       was mentioned, in the Jarosz reports he's
 9
       mentioned in those as providing the factual
10
       information --
11
                     THE COURT: Okay. We're going to
12
       need to move on.
13
                     Mr. Grimm, briefly do you want to
14
       respond?
15
                     MR. GRIMM: Can I respond from
16
       here, Your Honor?
17
                     THE COURT: Sure.
18
                     MR. GRIMM: The fact that these
19
       witnesses consulted Mr. Harrison to testify on
20
       30(b)(6) indicates just how broad these topics
21
       are and those witnesses can testify about the
22
       sale.
23
                     THE COURT: What about the hearsay
24
       concern, when he puts them on and they want to
```

```
1
       say here is how I learned things, you all are
 2
       going to object.
 3
                     MR. GRIMM: I seriously doubt that
 4
       it's going to come up how did you learn about
 5
       this, because it's going to be questions like
 6
       tell us about your marketing strategy, tell us
 7
       about the effect of Adherus competition -- he
8
       has not identified anything that Mr. Harrison
 9
       was a percipient witness about that would draw
10
       that kind of objection, Your Honor, so I don't
11
       think that's really an issue.
12
                     The fact that he was mentioned in
13
       expert reports or in documents that were
14
       produced, that's certainly not the test for a
15
       fair disclosure, Your Honor, otherwise something
16
       could show up at trial and put anybody from
17
       their company on the witness list.
18
                     THE COURT: I'll give it some more
19
                If I need more help, I will give you a
       thought.
20
       chance. But I will see you all at two o'clock.
21
                     (A brief recess was taken.)
22
                     THE COURT: Good afternoon.
23
       Mr. Altherr. Did you have something you wanted
24
       to say?
```

1 MR. ALTHERR: Your Honor, you 2 wanted me to report back about the depositions. 3 THE COURT: Come to the podium. 4 Thank you. 5 MR. ALTHERR: The deposition is of just Dr. Mettler, and it is by video conference. 6 7 The IT people from our firm had coordinated with 8 the IT people from the Cooley firm to set up the 9 video link. They're testing it today at 3:00 10 p.m. in Germany to make sure it works. There is 11 a videographer and court reporter who had been 12 set up. This is exactly how we deposed 13 HyperBranch's witness Dr. Hartlage from the 14 United Kingdom earlier in the case. It's 15 supposed to start at three o'clock tomorrow. 16 Dr. Mettler is up in her 17 seventies, but I have talked with Mr. Shaw, he's 18 assured me she is in good enough health we could 19 put this off for six to eight weeks. I have 20 talked to counsel on the other side. They have 21 indicated to me that would be acceptable to them 22 if that would be agreeable to Your Honor, we 23 could depose Dr. Mettler in six to eight weeks. 24 THE COURT: If the parties have an

```
1
       agreement to do that, that's fine by me. Do we
 2
       have an agreement on that point?
 3
                     MR. GRAVES: Yes, Your Honor.
                     THE COURT: That's fine. You'll
 4
 5
       reschedule for six to eight weeks or
       thereabouts. What about the other witness that
 6
 7
       the defendant thought was scheduled for
8
       tomorrow?
9
                     MR. ALTHERR: The other witness
10
       has not been scheduled, Your Honor.
11
                     THE COURT: Has not been
12
       scheduled?
13
                     MR. ALTHERR: They have contact
14
       problems getting in touch with that witness.
15
       we could get contact, like I said, we could set
16
       that up in the six to eight weeks, but the
17
       witness is in Germany, too, so it's been
       difficult.
18
19
                     THE COURT: All right. Are the
20
       defendants comfortable with the idea that that
21
       one, too, would happen in six to eight weeks if
22
       we could have contact with the person?
23
                     MR. GRAVES: That would be fine,
24
       Your Honor, if we could get logistics and
```

```
1
       contact information ahead of time.
 2
                     THE COURT: Thank you for working
 3
       that issue out. When I left we sort of rushed
 4
       through Mr. Harrison. If either of you want to
 5
       say anything more on that, you certainly can.
       Mr. Grimm, anything further on that?
 6
 7
                     MR. GRIMM: No, I don't think so,
8
       Your Honor, unless you have a question.
 9
                     THE COURT: No, I don't.
10
                     Anything further on Mr. Harrison?
11
                     MR. ALTHERR: The only thing is
12
       this, I don't think the defendants should be
13
       able to have it both ways. If they exclude this
14
       witness, they shouldn't be able to object to our
15
       30(b)(6) witness when they say they found out
16
       something from Mr. Harrison.
17
                     THE COURT: I mean, do you
18
       reasonably anticipate that you're going to be
19
       asking questions of the nature of did you find
20
       this out from Mr. Harrison?
21
                     MR. ALTHERR: Yes, there are
22
       certain things that Mr. Harrison did on the
23
       investigation on his own and they had to get the
       information from him.
24
```

1 THE COURT: Maybe you could give 2 me an example because I didn't understand there 3 was any unique noncumulative evidence that 4 Mr. Harrison would have that these other two 5 witnesses wouldn't have. MR. ALTHERR: Mr. Harrison was 6 7 directly involved in the acquisition from 8 Covidien of Confluent and obtaining the rights 9 to the patent for one thing. He was also 10 directly involved in preparing certain documents that are used for the basis for both the expert 11 12 and Mr. Jarosz. And also we introduced exhibits 13 at the deposition of Mr. Lennox where 14 Mr. Harrison was the one who put those 15 documents, who helped put those documents 16 together and had personal knowledge of the 17 information going into them. 18 THE COURT: Okay. Thank you. 19 Mr. Grimm, some of that sounded new to me. Do 20 you want to respond to it? 21 MR. GRIMM: I'm not sure I got 22 every one of the points that Mr. Altherr was 23 trying to make. But first with respect to the 24 acquisition of Confluent, I haven't heard

1 anything that's unique to his knowledge that 2 he's going to testify. If it's just that we 3 acquired Confluent and the licenses that came with it, it seems to me that that's corporate 4 5 knowledge that these other witnesses could testify about. 6 7 And, in fact, Eva Tan did testify 8 as a 30(b)(6) witness about the acquisition of 9 Confluent. So apparently they thought she was 10 adequate for that purpose because they put her 11 up as their designee. 12 Mr. Altherr said that Mr. Harrison 13 prepared documents that were used by the 14 experts. As Your Honor knows, that's very 15 common, and the person preparing the documents 16 doesn't come testify. The expert, if it's 17 something that an expert can reasonably rely 18 upon under the rule, then he can refer to those 19 documents. So I haven't heard why it's 20 necessary for Mr. Harrison to talk about those 21 documents at trial. 22 THE COURT: Do you think I am to 23 apply the Pennypack factors to this dispute? 24 MR. GRIMM: Yes, Your Honor.

THE COURT: And have you all been surprised and prejudiced in a material way by this late disclosure?

MR. GRIMM: I think so. You know, any time -- trial is all about strategy, and you base your strategy based upon the disclosures from the other side. They had every opportunity to disclose this individual. He has been head of their marketing -- he has a higher position than that -- from the beginning of this case. They didn't put him on their Rule 26 disclosures. It's very easy to supplement Rule 26 disclosures. They didn't use him as a corporate designee, so it does come as a surprise to us.

And often times when there is a critical witness that comes forward at the last moment, the court will permit the other side, would be us in this case, to take a deposition to try to cure any prejudice towards us, because the prejudice to the plaintiff in that instance would be quite high to preclude them because it's a critical witness with a critical piece of evidence that's come to light late in the day.

1 That's not what we have here. 2 It's not prejudice to them because it's 3 cumulative, and it is a surprise to us. Could 4 we take the deposition? Sure, we could take the 5 deposition. Given the lengthy topics that they have given us, it might take more than a day for 6 7 that deposition. We're less than two weeks from 8 trial in a complicated case with several patents 9 and it's kind of the last thing we want to be 10 doing with our time. I think the Pennypack 11 factors do favor preclusion in this instance. 12 THE COURT: Thank you. 13 Mr. Altherr, anything further on 14 this? 15 MR. ALTHERR: Your Honor, with 16 regard to Pennypack factors, they do have time 17 to depose Mr. Harrison. All right? He's going 18 to testify for probably on direct for less than 19 half hour. The areas that he went, he said that 20 it was a surprise to them. Eva Tan specifically 21 indicated when she was testifying she went to 22 Mr. Harrison with regard to a number of things 23 with due diligence to acquire the patent and 24 acquire Confluent and the patents-in-suit.

As far as the point that he made about experts, the expert I understand can rely upon hearsay and go ahead and hear these things out. However, all the points, laying foundation for documents and things of this sort that come into evidence, and that he should be able to have him do that, the particular ones that he contributed to. He is named as one of the ten custodians identified for ESI, lots and lots of documents that came out of his record produced in this case.

THE COURT: I'm still struggling with why you didn't just bother putting him in your disclosure at some point.

MR. ALTHERR: We didn't update the disclosures initially, and he had been -- like I say, he had been identified on the depositions, in the document production to us. This case is a whole lot like the Delaware case that we cite, the International Business Machines versus Priceline that they were put on notice through document production, organization charts, testimony of two deponents, that we had more than that, there was numerous declarations that

```
1
       they refer to Mr. Harrison and the other
 2
       reports.
 3
                     THE COURT: Okay. Mr. Grimm,
 4
       anything else?
 5
                     MR. GRIMM: I'm sorry to belabor
 6
       this, if the test was whether somebody's name
 7
       appears in documents or in the declaration,
8
       there would really be no test. They could bring
9
       any employee of Integra to trial without a prior
10
       disclosure.
11
                     And on the prejudice point, it has
12
       always struck me as a bit odd that the way to
1.3
       cure the prejudice is to make the party that
14
       didn't cause the prejudice do more work.
15
       think in this particular case where there is
16
       really no prejudice to the plaintiffs, that the
17
       fact that we are prejudiced by going through the
18
       effort to have to depose this fellow outweighs
19
       any of the Pennypack factors.
20
                     THE COURT: Thank you. Bear with
21
       me.
22
                     All right. I honestly forget at
23
       this moment who raised this issue, but I am
24
       going to strike Mr. Harrison from the
```

plaintiff's witness list. It's undisputed that he was not identified in the plaintiff's Rule 26(a) disclosures, at no point was he expressly disclosed.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

The plaintiffs contend that Mr. Harrison could have been identified and known to the defendants given references to him in depositions and the fact that he was a custodian, he searched for and produced documents, he was referenced in expert reports, all of that is true, but I still think in the context of this case the failure to identify him at any point expressly as someone who had relevant information and might be a witness at trial did have the result that where we are now means allowing him to testify would be a surprise, a genuine surprise to the defendants. It would be a little bit prejudicial to them in that they didn't have time to think through when and how they wanted to depose him and then deal with whatever information they learned in the deposition and formulate their strategy on that basis.

I could cure some if not all of

1 the prejudice by allowing the deposition now, 2 but we are within two weeks of trial and you 3 have a lot of other things to do, but I think 4 most fundamentally I'm really not persuaded that 5 this is prejudicial to the plaintiffs. plaintiff designated who they designated as 6 7 their 30(b)(6) witnesses, the witnesses gave 8 testimony that was appropriate under 30(b)(6). 9 The plaintiff says the direct at best would be 10 about a half an hour and it sounds like it's on 11 topics that the 30(b)(6) witnesses have already 12 testified to and are presumed qualified to 13 testify to at trial. 14 The defendant is not going to make 15 any unreasonable objections to that testimony. 16 And I just don't think when I weigh all of that 17 that it is proper at this last minute to allow 18 Mr. Harrison to be added to the witness list. 19 I don't find bad faith, but I'm 20 still scratching my head as to why the plaintiff 21 didn't just bother to expressly identify the 22 witness. 23 Now, I do understand this dispute 24 occurred a month or more ago, so I understand

1 it's not fair to just say we're within two weeks 2 of trial and that's too late. The plaintiff 3 made efforts and letters were written to me a 4 month or two ago, and I recognize that, but I 5 still think weighing all the factors I'm not 6 going to allow him to testify. 7 Any questions about that? 8 Plaintiff? 9 MR. ALTHERR: No, Your Honor. 10 THE COURT: Any questions? 11 MR. GRIMM: No, Your Honor. 12 THE COURT: So did anybody 13 formulate any view on whether I should go ahead 14 and make decisions on the issues related to 15 claim 10 of the '034 patent now that it has been 16 severed and stayed? We have argued a number of 17 issues. There are various issues outstanding. 18 Do you have a view as to whether or not I should 19 resolve those issues? I quess first from the 20 defendant. 21 MR. GRAVES: Thank you, Your 22 With respect to the defendants, pending 23 objections to the magistrate judge's report and 24 recommendation, we're comfortable holding that

```
1
       in abeyance without having it decided at this
 2
       point. We've resolved the German doctor
 3
       deposition issue as you just heard. We don't
 4
       think there is any point in the Court addressing
 5
       anything pending with respect to claim 10 at
 6
       this point.
 7
                     THE COURT: The arguments about
8
       testimony being inconsistent with the claim
9
       construction, did any of that relate to claim
10
       10? I simply don't remember.
11
                     MR. PIVOVAR: I believe it's all
12
       related to the predetermined thickness.
13
                     THE COURT: Well, I ruled on the
14
       predetermined thickness. I'm talking about your
15
       objections to what the plaintiffs wanted to
16
       present which I did not rule on.
17
                     MR. PIVOVAR: Actually, I think
18
       they might all -- I would have to go back and
19
       confirm, I think they might all apply to claim
20
       10.
21
                     THE COURT: To the extent they
22
       relate to claim 10, do you have a view as to
23
       whether I should not rule on that?
24
                     MR. GRAVES: I don't recall that
```

1 there was anything unique to claim 10 in that 2 request of ours. In other words, I recall the 3 biocompatible hydrogel composition issue, but I 4 don't think we raised anything unique to claim 5 10. 6 THE COURT: Even if I were to rule 7 on claim 10, I still have to rule on it because 8 of its impact on other claims that are going to 9 trial; correct? 10 MR. GRAVES: Correct. 11 THE COURT: But with respect to 12 the objections to the R&R which had to do with 13 the recommendation for the finding of 14 infringement and also the indefiniteness issue, 15 I believe the defendant's view is I need not 16 rule on that at this time. 17 MR. GRAVES: I think it's 18 discretionary on your part, Your Honor. We're 19 not urging a ruling on that at this time. We're 20 comfortable with all of the claim 10 issues 21 being held in abeyance, including the scope of 22 IPR estoppel, if any, given the unique situation 23 we're in right now. 24 THE COURT: Okay. Do the

```
1
       plaintiffs have a view?
 2
                     MR. IWANICKI: Good afternoon,
 3
       Your Honor.
                     THE COURT: Good afternoon.
 4
 5
                     MR. IWANICKI: Our view is that we
       think that you should respectfully if you were
 6
 7
       so inclined to see the benefit of overruling the
 8
       objections and adopt the Court recommendation on
 9
       summary judgment because it would make a more
10
       efficient trial. For example, with respect to
11
       claim 10 and with respect to claim 20, we know
12
       we identified that they differ in view of the
13
       predetermined thickness, the observable change
14
       limitation and the predetermined thickness
15
       limitation, but they do share a common
16
       limitations. Both share the visualization
17
       agent. Both share crosslinking after contact
18
       with tissue to form a hydrogel. Both share
19
       electrophilic functional groups and nucleophilic
20
       functional groups. And both share hydrogel
21
       forming within a certain period of time after
22
       contact with a substrate.
23
                     And if Your Honor were to overrule
24
       the objections and adopt the magistrate judge's
```

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

180

recommendation, we would be able to use that to sort of limit the presentation at trial with respect to infringement of claim 20 because as a matter of law those features would have already been found in the accused products. We would encourage Your Honor to move forward on that.

With respect to the issue of claim 10 being severed and stayed, with respect to the inconsistent claim issues -- I'm sorry, with respect to the opinions to be offered and they rely on inconsistent claim constructions, we still have on our side, we had the ones that were related to the predetermined thickness claims, of course, and there was one that related to claim 10 being indefinite. Now that claim 10 is out, I would think that that -- that issue would be off the table with respect to any inconsistent testimony offered with respect to claim 10 being indefinite because there is going to be no invalidity position presented at trial with respect to claim 10 because it's been severed and stayed.

And to the extent that they don't bring up any invalidity of claim 10, of course

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

181

the positions on -- from Dr. Mays with respect to that rebutting to those invalidity positions, those would be anticipated by Rhee 500, Jacobs obvious over Rhee, obvious over Rhee 500, and Bass obvious over Rhee, those rebuttal opinions would not be at play during the trial.

So I think you had asked the question with respect to the portions of the rebuttal reports, Mays' rebuttal report and the other rebuttal report that they have identified that may present issues with respect to inconsistent -- opinions inconsistent with the Court's claim construction. I think all of those did relate to claim 10 and biocompatibility. Some were related to the 5,705 patent in Dr. Mays' rebuttal report, they had a whole swath of things with respect to the 5,705, but that's out -- but the remainder I believe related to claim 10 of the '034 patent. And now that that's out, there isn't anything in those rebuttal reports that should be sort of stricken because the testimony is going to be presumptive. Did that make sense, Your Honor? THE COURT: I'm thinking of it

1 more on the arguments for whether certain 2 evidence or opinions are inconsistent with the 3 Court's claim construction. Of course thinking 4 there were a bunch that the plaintiff raised and 5 there were a bunch that the defendants raised. MR. IWANICKI: Yes. 6 7 THE COURT: I had thought I had 8 ruled on all the ones that you had raised but 9 for this indefiniteness of claim 10 issue. So I 10 had understood I was done with ruling on your 11 issues, but with respect to the defendant's 12 issues, I have taken that under advisement and 13 wanted to know to what extent my decision to 14 sever claim 10 impacted that. And what I'm 15 hearing the defendant say is it doesn't really 16 impact as much because most, if not all, of 17 those issues come up with connection with other 18 asserted claims that are going forth in trial. 19 MR. IWANICKI: I don't think 20 that's the case, Your Honor. 21 THE COURT: I'm going to need more 22 help from you on understanding exactly what it 23 is that the defendants think you're doing inconsistent with the claim construction. 24 So

1 you're all going to have a chance to meet and 2 confer and help straighten me out on that. But 3 I understand your position. 4 MR. IWANICKI: Thank you, Your 5 Honor. 6 THE COURT: All right. With 7 respect, the defendants would respond to, you 8 know, claim 20 is going forward, and there is 9 this argument that I should as I understand it 10 now, their position is I should not hold in 11 abeyance my review of Judge Burke's report on claim 10 because in part it would help you all 12 13 with respect to how this trial is going to look 14 for claim 20. So do the defendants disagree 15 with that? 16 MR. PIVOVAR: Your Honor, so there 17 is overlapping language, but I don't know that 18 it makes any -- I don't know that it's going to 19 be material for you to have to resolve anything 20 with respect to claim 10 to reach any dispute 21 claim issues with respect to claim 20. Claim 20 22 does have a form a hydrogel within 60 seconds. 23 I don't know that there is any dispute between 24 the prior art meeting that limitation or the

1 contested aspect of how they presented the case 2 depending on how the Court would construe what a 3 gel time is or a fully cured hydrogel, that's 4 one aspect. 5 THE COURT: Doesn't that already 6 suggest I should just go ahead and rule on the 7 objections to Judge Burke's report because among 8 other things he construes that disputed claim 9 term that seems like it's pertinent to what you 10 just said? 11 MR. PIVOVAR: That's the one issue that's actually presented that might actually be 12 13 helpful moving forward. 14 THE COURT: Okay. All right. 15 Well, with respect to whether the plaintiffs are 16 offering any opinion or evidence inconsistent 17 with the plaintiff's claim construction, I'm 18 trying to refer back to the discussion I had 19 this morning. As I suggested, I need some 20 additional help. At this point it's not clear 21 to me what exactly it is that the defendants are 22 saying is inconsistent with the claim 23 construction and where I can find it. So I

don't know. I don't have what I need yet to

24

give you a decision. I need some further briefing.

Here is what I'm going to need.

We're going to have letter brief due on

Thursday, Friday and Saturday of this week. So

by Thursday, no more than five page single space

letter brief from the defendant where you

identify for me the exact opinions, not just

paragraph numbers, but the exact opinions which

as I understand it Rivot, DiStefano and/or Mays

that you are alleging are inconsistent with the

Court's construction of the suitable to coat the

tissue of patient term, and/or the biocompatible

composition term. And explain again if you

would at that time how it is that in your view

those opinions and that evidence is inconsistent

with the Court's construction.

The plaintiffs can respond the next day, Friday, with their five-page single space letter. And then the defendant on Saturday can file a reply up to three pages, single space letter brief. And hopefully at that point I'll have what I need in connection with the pending objections and the motions in

limine all of which touch on these issues of trying to make sure everybody stays within the scope of the claim construction in the evidence and the opinion that they present at trial.

I'm not yet ready to rule on

whether -- on whether I'm going to rule or if
I'm going to rule what the ruling is in the
review of that R&R related to claim 10 of the
'034 patent. I think that I have what I need or
at least will once I also see the submissions
coming that I just ordered. If I need something
further from you all in order to rule on that,
if I decide to rule on it, I will let you know.

The other issue that has been argued -- and also, make sure to attach those expert reports as the defendants do that, any of the expert reports that have any portion that you're challenging as inconsistent with the Court's construction, please go ahead and give us the expert reports as well.

I think the only other thing that you have argued that I haven't decided is the plaintiff's motion for reconsideration of a portion of my motion in limine ruling. That

1 motion is granted in part and denied in part. 2 What do I mean? I already granted the first 3 part of it which had to do with part of it in 4 Mr. Jarosz, the defendants said they didn't 5 object to the plaintiff introducing. I'm also 6 granting it with respect to the other portion of 7 the Jarosz opinion that is on the reasonable 8 royalty paid on sales in the United States. So 9 Mr. Jarosz will be permitted to testify to that 10 opinion. 11 I have considered the Pennypack 12 factors and I have decided ultimately they do 13 not favor excluding this opinion. In my view 14 the defendant is not truly surprised or 15 particularly prejudiced by what the defendant --16 I'm sorry, the plaintiff intends to do through 17 Mr. Jarosz. His opinion was essentially 18 disclosed in the August 2017 report. That 19 portion of the report was not ever stricken. 20 The defendant may be a little bit 21 surprised that the plaintiffs are relying on 22 those reasonable royalty opinions, but I find 23 that they are not unfairly prejudiced.

have an opportunity, I think maybe more than one

24

1 to depose Mr. Jarosz, of course they will be 2 able to cross-examine him at trial and his 3 opinions will be limited to what has been 4 adequately disclosed. 5 I will acknowledge it was not 6 entirely clear from the November 2017 report 7 that the plaintiffs were going to do what they 8 now have made clear they're going do with 9 Mr. Jarosz. I still find that the opinion was itself disclosed and it was not ever 10 11 specifically withdrawn by Mr. Jarosz. 12 I think allowing it will not 13 obstruct the orderly and efficient progress of 14 the trial. I don't see any bad faith by the 15 plaintiffs. Clearly this should have been 16 clear, but in context I don't think the fact 17 that they weren't clear enough or the fact that 18 they argued the motion in limine the way they 19 did is not enough overall for me to strike that 20 opinion now that I understand what the 21 plaintiffs are seeking to do. 22 And also very importantly, this is 23 important evidence. It goes directly to the 24 damages that the plaintiffs are seeking to

recover. So I'm granting reconsideration with respect to Jarosz, however, I'm denying it with respect to DiStefano.

The plaintiff's only response in the motion in limine to the request that

DiStefano be precluded as an infringement expert was to argue that the 5,705 patent was still in play because the court did not rule on objections to Judge Burke's R&R granting summary judgment of noninfringement of the 5,705 patent.

In fact, at the time that you all submitted the pretrial order, I had already adopted that report recommendation, I think it was about August 6 about a month before the parties submitted the pretrial order. In any event, even if that were not the case, the plaintiffs made no mention of any other reason that DiStefano was still relevant in response to the defendant's motion, so we had no opportunity to consider any other issue at the time we were deciding the motion in limine. It wasn't until yesterday in the reconsideration motion that any other argument was even made for why DiStefano would still be relevant.

1 I don't think that it is crucially 2 important testimony from what I understand 3 because Dr. Mays is going to be the testifying 4 expert and he'll be permitted to say that he 5 relied on and reviewed materials that were 6 provided through Dr. DiStefano. So the motion 7 is denied with respect to DiStefano. 8 Any questions about any of that? 9 MR. IWANICKI: No Your Honor. 10 THE COURT: Any questions? 11 MR. CRENSHAW: Your Honor, just very briefly, Mr. Jarosz's reasonable royalty 12 13 opinion in the United States, is that an 14 alternative request or is it cumulative to price 15 erosion because that's a bit of clarity I'm 16 still lacking? 17 THE COURT: That doesn't sound 18 like the question is directed to me. I don't 19 know if you can get some clarity from the 20 plaintiff. 21 MR. ALTHERR: Your Honor, it's 22 cumulative just like it was in his original 23 report. 24 MR. CRENSHAW: Your Honor, if you

```
1
       remember in his original report, the footnote
 2
       said in the event lost profits are not awarded.
 3
       Here they haven't claimed lost profits, they
 4
       claimed price erosion, so we understood it was
 5
       an alternative request and they're trying to
 6
       shoehorn it in as a cumulative request. This is
 7
       the root of our problem. We'll accept Your
8
       Honor's rule, we just want to seek --
 9
                     THE COURT: You heard what the
10
       plaintiff intends to do and all I can say beyond
11
       that is when they show you their slides for what
12
       they propose to do with the witness, if you
13
       think that you have an objection that you can
14
       make based on everything that has happened
15
       through now and through then, go ahead and make
16
       it. I certainly don't mean to be deciding that
17
       particular issue, I'm just granting the
18
       reconsideration and not at this time striking
19
       that portion of Jarosz' testimony.
20
                     MR. CRENSHAW: Thank you, Your
21
       Honor.
22
                     THE COURT: All right. Well,
23
       let's talk about the pretrial order and then
24
       I'll see if you have other issues.
```

1 So as an initial matter, if the 2 parties did not identify a dispute on a 3 particular issue in this pretrial order and I 4 have not addressed it either in writing or 5 today, we don't talk about it the rest of today, 6 then what you had proposed at that point, 7 jointly proposed is acceptable to the Court and 8 is hereby adopted and will govern unless there 9 is some modification of the order going forward. 10 With respect to uncontested facts, either side may read some or all of those to the 11 12 jury provided that you give notice to the other 13 side that you're going to do so. And you will 14 be charged time for the time it takes you to 15 read those to the jury. 16 In terms of the factual issues to 17 be tried and the legal issues to be tried, I 18 think at this point subject to rulings that I 19 have taken under advisement, we're probably 20 hopefully in agreement as to what the subject of 21 this trial is going to be factually. And with 22 respect to any legal disputes I will handle 23 those in connection with resolving any disputed 24 jury instructions which we will talk about

```
1
       further during trial.
 2
                     Do the plaintiffs feel they know
 3
       what the issues are going to be factually at
 4
       trial or do you need something further from me?
 5
                     MR. ALTHERR: No, Your Honor, we
       think we know.
 6
 7
                     THE COURT: And defendant?
8
                     MR. GRAVES: We're fine, Your
9
       Honor. We understand.
10
                     THE COURT: Okay. All right.
                                                     Ιn
11
       terms of exhibits, exhibits that are on the
12
       exhibit list and not objected to on the exhibit
13
       list are received into evidence by operation of
14
       the pretrial order. Once the exhibit is shown
15
       to a witness and offered into evidence and the
16
       Court will say at some point that it is
17
       admitted. What that means is for an exhibit
18
       that's not objected to in the pretrial order,
19
       you don't need to lay a foundation. There won't
20
       be any objections at trial to their admission.
21
       But I do require that you take at least a moment
22
       in the presence of the jury to show the exhibit
23
       to a witness.
                     You'll have disclosed to one
24
```

another what exhibits it is that you intend to use on direct. You have the timing in the pretrial order for when you will identify objections to admission of those exhibits. The time to raise any objections that you have not resolved to the admission of those exhibits is in the morning before the jury comes in on the day that you reasonably anticipate that witness will be called to the stand.

If you don't raise those objections with me in the morning of the particular day, then the objections are waived and you should not try to raise them later in the day when the witness is on the stand.

When we discuss those objections outside the presence of the jury, I'm going to charge time to each party as they are speaking. So if it's your objection, you'll be charged for the time it takes you to argue your objection. If it's the other side's objection, you'll only be charged for the time it takes you to argue your part. Whatever time it takes me to explain my decision we'll split 50/50.

Even though we will have resolved

1 all of those objections before the jury comes 2 in, at some point during the direct examination 3 of the witness you do have to formally offer the exhibit into evidence. You can either do it as 4 5 you show it to the witness or once at the end if 6 you want by the witness, but for the clarity of 7 the record, you need to offer into admission 8 exhibit number and whatever it is. And for 9 clarity of the record, I will ask the other side 10 whether they object even though we all know that 11 you can't object because I have already ruled on 12 the objections. When you say you do not object, 1.3 it is not giving up the fact that you may have 14 objected earlier in the day. You reserved your 15 rights by objecting earlier in the day. 16 Before you rest your case, I 17 suggest you check with my deputy to make sure that we have noted in our records the admission 18 19 of everything that you think has been admitted 20 into evidence. 21 Any questions about how we're 22 going to handle the exhibits from the 23 plaintiffs? 24 MR. ALTHERR: No, Your Honor.

1 THE COURT: And from defendants? 2 MR. GRAVES: No, Your Honor. 3 THE COURT: Okay. In terms of 4 witnesses, you're going to call various 5 witnesses by deposition. We have the process 6 set out in the pretrial order as I mentioned a 7 little bit for narrowing the designations and 8 objections and giving me any disputes in time 9 for me to resolve before you call that witness. 10 If you intend to include a running 11 transcript at the bottom of the deposition, if 12 you're showing a video of the deposition to the 13 witness, you do need to disclose to the other 14 side that you intend to show a running 15 transcript so when you are providing your final 16 designations that you're going to use let the 17 other side know so if there is any objection to 18 the use of a running transcript that you all can 19 meet and confer on that and we don't get 20 surprised once the video starts playing. 21 In terms of objections to expert 22 testimony, as you requested, I will rule on 23 those objections at trial. For that one type of 24 objection, we will charge all of the time to the

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

197

party that does not prevail. So if it's an objection that an expert witness is testifying beyond the scope of what has previously been disclosed, whoever prevails on that objection will not been charged any time, and whoever loses on that objection will be charged for both sides' argument as well as the time it takes me to make my decision.

Since I'm ruling on these at trial, it's important for you to understand I have not and will not memorize all of your expert reports. I don't know what's in all of them. So if you anticipate, as it sounds like you probably should, any objections to your expert that you're putting on, make sure you come to court with extra copies of all the expert reports, all the declarations, all the deposition testimony, anything that you may rely on when the other side says this has not been fairly disclosed, you'll need be able to produce to me a copy of it, at least two copies so that when you tell me exactly where to find that it has been disclosed, I can take a look and make a decision for you.

1	In general, we limit examination
2	to direct, cross, and redirect without
3	recross-examination. If you want leave to
4	approach a witness, you need to ask for it.
5	Once per witness. Once you have asked for leave
6	to approach the witness, you can freely approach
7	that witness for the remainder of your
8	examination.
9	And I encourage you to make
10	transition statements. That's often helpful to
11	the jury. These are just brief non
12	argumentative statements. You can do it right
13	before you call a witness or even after you have
14	called them but before you start examining them
15	just to give a very brief sense to the jury of
16	where we are in the case and who this person is,
17	how they fit in.
18	Any questions about witnesses from
19	the plaintiffs?
20	MR. ALTHERR: No, Your Honor.
21	THE COURT: From defendant?
22	MR. GRAVES: No, Your Honor.
23	THE COURT: Okay. There was an
24	issue or maybe not a dispute, but a request

1 about closing the courtroom for portions of 2 certain witness testimony. First let me ask, 3 was there a dispute on that or just something you wanted to flag for me that you anticipate 4 5 being necessary? MR. ALTHERR: I don't believe 6 7 there is a dispute, Your Honor. I think they 8 may be wanting it closed more than we do, but 9 there are certain times we would like to have it 10 closed, particularly when they're talking 11 financial information. 12 THE COURT: Do you believe there 13 is a dispute on this at this point? 14 MR. GRAVES: I don't believe so, 15 Your Honor. I'm not sure we're going to request 16 closure more than they will, but I don't think 17 we have a dispute. 18 THE COURT: In terms of general 19 parameters, the more notice you can give me as 20 to which witnesses and roughly which time of 21 day, the better. We have a lot going on in the 22 building and it helps me to be able to have at 23 least one of the security officers here to help 24 manage the opening and closing of the courtroom.

1 We try to do it as little as necessary so to the 2 extent you possibly can, if you can segregate 3 the portions of your examination that you are 4 hoping happen in the sealed courtroom so we 5 don't have to open and close the courtroom once 6 per witness or at worse once per direct and once 7 per cross, that would be very helpful. 8 And, of course, you'll have to 9 make a record when the time comes as to what the 10 proper basis is for asking me to close the 11 courtroom. 12 Any questions about that? 13 MR. ALTHERR: No, Your Honor. 14 THE COURT: Any questions? 15 MR. GRAVES: No, Your Honor. 16 THE COURT: All right. So the 17 trial is going to be timed as you have seen in 18 the order. I think that fifteen hours per side 19 is adequate. I'm willing to hear an argument 20 for up to eighteen hours per side. Does either 21 side want to argue for something more than 22 fifteen hours? First from the plaintiffs. 23 MR. ALTHERR: Yes, Your Honor. 24 would like to get the eighteen hours. We

1 understand that you have cut down quite a bit 2 here taking claim 10 out, but I still think 3 fifteen hours will be too few. The witnesses 4 listed, there is more than thirty for 5 plaintiffs, and I had thirty-five or thirty-six 6 for defendant. There is overlap on those, and 7 of course some of them, Jacobs will not be 8 testifying, but we need a little bit more time 9 than fifteen hours. 10 THE COURT: What's the defendant's 11 view? 12 MR. GRAVES: Well, with claim 10 13 out, Your Honor, we're a lot more comfortable 14 with fifteen than we were yesterday. I think 15 it's doable, but we don't oppose or request a 16 request for more, we think fifteen would be 17 doable, but another hour or two probably would 18 be helpful. 19 THE COURT: Let's do this. 20 not expecting your positions to change, but I 21 want to give you overnight because a lot has 22 happened here today. It's at least possible in 23 my mind that you might decide with claim 10 gone 24 and the other decision that, eighteen, maybe

1 we're only asking for seventeen or sixteen, I 2 doubt you're going to ask for fifteen, but just 3 meet and confer on that. Give it a little bit 4 more thought. And I'll give you until Thursday. 5 Just send me a letter and tell me what your 6 updated requests are. If you want to put in any 7 argument, feel free, but it should be brief. 8 Any questions about that? 9 MR. ALTHERR: No, Your Honor. 10 MR. GRAVES: No, Your Honor. 11 THE COURT: I think this much is 12 clear, but pretty much, I mean, someone will be 13 charged for time when I'm in the courtroom with 14 very limited exceptions, so the whole jury 15 selection process, nobody is being charged for 16 that. When I read preliminary instructions or 17 final instructions, nobody is being charged for 18 When we have a prayer conference to 19 discuss the remaining disputes and final jury 20 instructions, no one will be charged for that. 21 But other that, I can't think of anything else 22 that will happen during trial when I am on the 23 bench that someone won't be charged. 24 obviously your openings, your closings, your

1 examination of witnesses, arguments over those 2 objections that we talked about, arguments if 3 there are any over motions for judgment as a matter of law, somebody is being charged for all 4 5 of that. When you play depositions, you'll 6 7 need to give us the percentage breakdown per 8 side. And we charge all the time it takes to 9 play that deposition, we split that time up 10 according to the percentages that you give. 11 Obviously if I think anybody is 12 abusing the other side, for instance, 13 interrupting somebody's non objectionable 14 examination by just constantly objecting and 15 dragging out the time it takes to finish that 16 examination, I reserve the right to shift time 17 or take time away or give additional time to the 18 other side. I don't expect any of that to 19 happen, but I do have the discretion to do that. 20 Any questions about any of that, 21 how we're going to keep track of the time? 22 MR. ALTHERR: No, Your Honor. 23 MR. GRAVES: No, Your Honor. 24 THE COURT: All right. Jury

selection, just an overview as to how we do
this. On the voir dire I will get that docketed
by the morning of jury selection. I need all of
you to be here 8:30 that first day, but whatever
times I put on the schedule are for you to be
here. The jury pool is not here until 9:30 on
that first day, so we have time to talk about
any remaining issues that need to be discussed.

Once the jury pool is available, they will be seated in the back of the courtroom across all those benches. I will read out loud to them the various voir dire questions. They will all be in the form of yes or no questions. I don't make the jurors stand up or raise their hand or say anything in response to me reading the questions from the bench. After I have read them all, we will meet individually either at the side-bar or in my jury room with each potential juror that acknowledges to my staff that in their mind they answered yes to at least one of the questions.

Once we bring that juror in, I will try to explore with them what they answered yes to and then each side will have a chance for

1 brief follow-up if necessary to figure out 2 better what that the juror was concerned with 3 and wanted us to know. Once the juror leaves 4 our presence, I'll see if either side has a 5 motion to strike the juror for cause, and then we'll move on to the next one. 6 7 Once we finish all of that, we'll 8 make sure we are on the same page as to who is 9 left in the jury pool and we will randomly draw 10 fourteen potential jurors. We'll seat them in 11 the jury box and each side will have three 12 preemptory strikes. 13 The way we exercise those strikes 14 is through the silent passing of the clipboard 15 back and forth from plaintiff to defendant. 16 You'll each note who you are striking and we'll 17 take turns and we will remove the six that have 18 been struck. We'll have a jury of eight. 19 don't treat any as alternates, so if eight are 20 here or seven are here when the case is ready 21 for deliberation, all eight or all seven will be 22 part of the jury. 23 Any questions about jury? 24 MR. ALTHERR: No, Your Honor.

1 MR. GRAVES: No, Your Honor. 2 THE COURT: All right. In terms 3 of the final jury instructions, I will need you 4 to submit another version in light of some of 5 the rulings I have already made and there may be some additional rulings coming. As of now --6 7 and we can revisit this when we start trial, but 8 as of now for getting me a revised form of final 9 instructions by that first Thursday of trial, 10 because we'll need time to review them and plan 11 a time to discuss with you any remaining 12 disputes. 13 I think I can work with the voir 14 dire and preliminary instructions that you have 15 already submitted even though there has been 16 some changes with what's at issue in the case. 17 If I need some further assistance from you, I'll 18 let you know. 19 Any questions about that? 20 MR. ALTHERR: No, Your Honor. 21 MR. GRAVES: No, Your Honor. 22 THE COURT: All right. Any issues 23 that the plaintiff wanted to raise that I 24 haven't gotten to?

1 MR. ALTHERR: Can I confer? 2 THE COURT: Sure. Take your time. 3 MR. ALTHERR: If I may, Your Honor, this is just one issue that relates to 4 5 the use of depositions of HyperBranch's 30(b)(6) witnesses and their officers who by making 6 7 admissions are making admissions on behalf of 8 the party. So they're party admissions which we 9 plan to introduce some in our case in chief. 10 I understand that the deposition 11 designations on those should have enough of what 12 they want to put in for completeness, but they 13 should not be able to put their whole case 14 through and our case in chief with all the 15 designations they want. I wanted to ask you how 16 you rule on that, Your Honor. 17 THE COURT: So you're concerned 18 that when you tell them here is our specific 19 designations of the 30(b)(6) that we want to 20 play, that they will counter-designate more than 21 is necessary and you'll be forced to play it 22 during your case in chief, that's the concern? 23 MR. ALTHERR: Yes, Your Honor. 24 THE COURT: Okay. Do defendants

want to address that? 1 2 MR. GRAVES: Each of those 3 witnesses will be coming to Wilmington to 4 testify live. If they don't want to call a 5 witness live, they want to do a 30(b)(6) deposition clip, that's fine. We just want the 6 7 ability to provide reasonable 8 counter-designations for context and clarity. 9 We intend to call each of those 10 three witnesses live in our case in chief so we 11 have no interest in filling up a deposition 12 designation clip with their testimony ad 13 nauseam. 14 THE COURT: Okay. Mr. Altherr, 15 I'm not sure I can do more than just be alerted 16 to the issue that you have raised because there 17 is the process whereby you'll specifically 18 designate what it is you want to use trial time 19 for and they'll counter-designate and you'll 20 meet and confer. I'll get a chance to give it 21 thought in that specific context. If there is 22 something more you think I can do more than 23 that, given what we have just heard, feel free

to come back. Is there more that I can do for

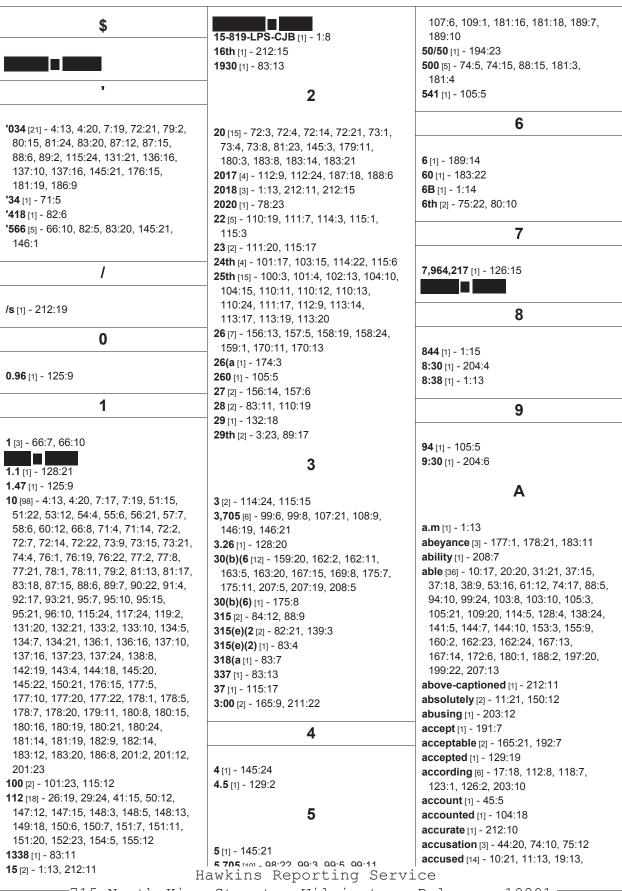
24

1 you on that? 2 MR. ALTHERR: No, Your Honor, 3 reasonable counter-designations should not be a 4 problem. 5 THE COURT: Any other issue 6 plaintiff want to raise? 7 MR. ALTHERR: No, Your Honor. 8 THE COURT: How about defendants? 9 MR. GRAVES: One issue, again, on 10 live witnesses, the fact witnesses on the 11 plaintiff's list, Integra employees, they're 12 designated as being called live if they're 13 coming at all. We have issued trial subpoenas 14 to those four witnesses because we would like to 15 call each of them in our case in chief, Ms. Tan, 16 Mr. Lenox, Dr. Bennett and Dr. Sawhney. 17 understand from talking to Mr. Altherr that 18 their present intention is to call each of those 19 witnesses during their case in chief and he's 20 going to talk to the witnesses about their 21 speculative schedule and planning to work 22 together to try to minimize inconvenience to the 23 witnesses, but I wasn't sure if the Court had 24 any preference in terms of someone is called

1 live by the plaintiffs, should we take care of 2 their entire examination at that time or just 3 cross on the scope and direct and call the 4 witness back in our case in chief. 5 THE COURT: So my first preference 6 is that you all work it out. So if you do work 7 it out either by calling them multiple times or 8 just doing it once, I can't imagine I will have 9 a problem with it. If you don't work it out, 10 then I would just ask that you bring the dispute 11 to me as soon as you can so that I can have 12 whatever I need in order to resolve it. 13 MR. GRAVES: That's fine. Our 14 main concern is making sure these four people 15 are in Wilmington to testify live. And I 16 believe that's going to be the case from 17 Mr. Altherr. THE COURT: Is there any doubt 18 19 about that, or that's --20 MR. ALTHERR: No. I have 21 contacted all the witnesses and we expect them 22 here at least sometime. 23 THE COURT: Okay. If you see an 24 issue that emerges, you'll just have to let me

```
1
       know.
 2
                     Anything else from defendant.
 3
                     MR. GRAVES: No, Your Honor.
 4
                     THE COURT: Okay. Just a few tiny
 5
       little last remarks from me. If you do have
 6
       submissions after the trial day or on weekends,
7
       and I think also we have the holiday, Memorial
8
       Day around your trial, please make sure to email
9
       our chamber's email address. If you don't have
10
       that, Mr. Looby can get it to you, but make sure
11
       to serve a courtesy copy on us through that
12
       chamber email address to make sure we don't
13
       overlook anything. That was all I have.
14
                     Nothing else from plaintiff?
15
                     MR. ALTHERR: Nothing else, Your
16
       Honor.
17
                     THE COURT: Nothing else from
18
       defendant?
19
                     MR. GRAVES: No, Your Honor.
20
                     THE COURT: Thank you all very
21
       much. We'll be in recess.
22
                     (Court recessed at 3:00 p.m.)
23
24
```

```
1
      State of Delaware )
 2
     New Castle County )
 3
 4
 5
                   CERTIFICATE OF REPORTER
 6
7
               I, Dale C. Hawkins, Registered Merit
      Reporter, Certified Shorthand Reporter, and Notary
8
9
      Public, do hereby certify that the foregoing record,
10
      is a true and accurate transcript of my stenographic
11
      notes taken on May 15, 2018, in the above-captioned
12
      matter.
13
14
               IN WITNESS WHEREOF, I have hereunto set my
15
      hand and seal this 16th day of May 2018, at
16
      Wilmington.
17
18
19
                      /s/ Dale C. Hawkins
20
                       Dale C. Hawkins, RMR
21
22
23
24
```



715 North King Street - Wilmington, Delaware 19801 (302) 658-6697 EMAIL: Dalehrs@aol.com

31:15, 45:11, 86:12, 102:9, 107:16, affect [1] - 69:14 168:22, 169:12 107:19, 112:22, 117:12, 121:19, affirmed [1] - 136:12 **ALTHERR** [90] - 2:6, 5:9, 28:16, 80:1, 125:2, 180:5 affirming [1] - 134:23 80:22, 81:11, 83:2, 84:2, 84:18, 84:23, accuses [2] - 48:2, 48:5 85:24, 87:7, 89:1, 89:8, 89:11, 90:16, afoul [1] - 150:6 accusing [1] - 32:5 91:3, 92:5, 92:19, 92:24, 93:4, 93:9, afternoon [3] - 164:22, 179:2, 179:4 achieve [1] - 28:20 93:19, 94:2, 94:12, 106:17, 106:24, afterwards [1] - 157:22 109:18. 110:18. 111:8. 111:15. achieved [2] - 30:15, 44:20 aged [4] - 138:24, 139:13, 141:6, 143:22 111:24, 113:7, 113:13, 114:2, 124:12, acknowledge [1] - 188:5 agenda [2] - 3:24, 137:15 125:19, 126:11, 127:5, 127:13, acknowledges [1] - 204:19 agent [26] - 30:20, 32:24, 33:18, 34:13, 127:23, 131:4, 138:21, 139:17, 141:2, acquire [2] - 171:23, 171:24 34:15, 34:19, 40:13, 58:8, 66:9, 66:11, 144:4, 144:12, 145:15, 146:2, 146:8, acquired [1] - 169:3 66:12, 66:15, 66:16, 66:18, 69:14, 146:20, 156:15, 157:7, 158:4, 160:24, acquisition [3] - 168:7, 168:24, 169:8 69:15, 72:9, 81:5, 81:8, 81:13, 81:14, 161:4, 161:7, 161:12, 161:17, 162:2, 149:2, 153:23, 153:24, 155:3, 179:17 Act [1] - 83:13 162:14, 162:22, 165:1, 165:5, 166:9, agents [1] - 13:17 act [1] - 86:4 166:13, 167:11, 167:21, 168:6, action [2] - 80:8, 83:10 **aggregate** [16] - 53:5, 56:8, 57:19, 171:15, 172:15, 176:9, 190:21, 193:5, 118:1, 118:3, 118:16, 121:9, 121:12, actual [4] - 13:9, 45:9, 123:5, 152:22 195:24, 198:20, 199:6, 200:13, ad [1] - 208:12 124:23, 125:4, 125:15, 125:24, 200:23, 202:9, 203:22, 205:24, 126:17, 126:21, 127:15, 129:14 ADAM [1] - 2:15 206:20, 207:1, 207:3, 207:23, 209:2, aging [1] - 143:2 Adam [1] - 3:17 209:7, 210:20, 211:15 ago [3] - 93:3, 175:24, 176:4 add [5] - 42:16, 62:5, 63:8, 81:1, 127:24 altherr's [1] - 95:1 agree [17] - 12:21, 15:22, 36:6, 36:13, added [6] - 9:20, 28:11, 28:13, 68:12, Amneal [1] - 85:4 38:15, 42:22, 55:12, 55:19, 56:19, 68:16. 175:18 amount [8] - 86:5, 88:18, 91:15, 95:3, adding [1] - 38:3 57:4, 57:7, 57:23, 91:1, 117:8, 122:9, 118:15, 126:7, 128:5, 128:9 137:4, 150:5 addition [5] - 28:1, 82:16, 103:23, amounts [1] - 120:19 agreeable [1] - 165:22 104:6, 104:22 analysis [1] - 41:15 agreed [1] - 60:17 additional [8] - 9:20, 36:5, 56:1, 65:24, answer [8] - 6:5, 21:7, 24:6, 24:8, 55:23, agreeing [1] - 75:17 129:4, 184:20, 203:17, 206:6 95:24, 144:11, 144:14 agreement [4] - 59:24, 166:1, 166:2, additionally [3] - 81:22, 82:16, 87:22 answered [2] - 204:20, 204:23 192:20 address [6] - 6:2, 146:13, 157:22, answers [1] - 159:3 ahead [9] - 87:9, 87:17, 150:2, 167:1, 208:1, 211:9, 211:12 anticipate [4] - 167:18, 194:8, 197:13, 172:3, 176:13, 184:6, 186:19, 191:15 addressed [5] - 99:15, 107:13, 141:16, 199:4 142:20, 192:4 AIA [2] - 74:16, 75:14 anticipated [2] - 85:18, 181:3 air [3] - 33:14, 153:24, 154:1 addressing [2] - 45:22, 177:4 anticipation [3] - 74:4, 150:9, 151:16 alerted [1] - 208:15 adequate [4] - 35:14, 114:8, 169:10, anticipatory [2] - 141:24, 142:3 allegations [1] - 19:12 200:19 anyway [1] - 81:7 allege [1] - 57:22 adequately [2] - 156:5, 188:4 apologize [1] - 27:22 alleged [1] - 141:24 adhere [1] - 69:8 appeal [12] - 54:22, 76:22, 86:18, 89:18, alleging [1] - 185:11 adherence [2] - 62:2, 62:11 92:10, 96:5, 96:6, 96:11, 96:13, 99:13, Adherus [4] - 113:1, 125:6, 125:11, allocate [1] - 95:14 136:12 allocation [1] - 76:5 appeals [1] - 89:18 adjudicated [2] - 97:7, 133:4 allow [9] - 77:13, 87:24, 88:16, 98:9, appearance [1] - 142:12 administer [1] - 140:19 100:9, 106:23, 133:22, 175:17, 176:6 APPEARANCES [1] - 2:1 admission [5] - 193:20, 194:4, 194:6, allowed [10] - 29:5, 29:7, 43:12, 46:23, appearances [1] - 3:3 51:7, 88:19, 109:23, 110:9, 111:2, 195:7, 195:18 apple [1] - 86:3 156:4 admissions [3] - 207:7, 207:8 application [12] - 18:18, 21:15, 25:21, allowing [4] - 113:17, 174:16, 175:1, admit [2] - 4:8, 65:18 29:9, 29:17, 30:18, 38:16, 52:1, 123:5, 188:12 admits [1] - 65:17 123:19, 123:21, 123:23 allows [1] - 125:12 admitted [2] - 193:17, 195:19 applications [3] - 18:24, 20:22, 31:11 alluded [1] - 135:8 adopt [6] - 55:19, 109:12, 126:23, applicator [1] - 78:19 almost [3] - 128:21, 134:3, 135:1 133:1, 179:8, 179:24 applicators [1] - 94:16 adopted [4] - 65:22, 77:15, 189:13, alone [1] - 78:11 applied [13] - 6:22, 17:10, 18:17, 22:2, alter [1] - 140:22 192:8 47:20, 52:13, 53:14, 65:16, 65:21, alternate [1] - 43:24 adopting [2] - 56:12, 133:11 85:15, 120:8, 120:11, 121:13 alternates [1] - 205:19 adopts [2] - 77:9, 80:16 applies [4] - 29:8, 29:10, 30:14, 75:1 alternative [5] - 13:2, 102:17, 136:14, advance [2] - 49:8, 49:11 apply [9] - 20:20, 28:18, 29:16, 65:1, 190:14, 191:5 advancing [1] - 52:11 112:16, 112:20, 157:1, 169:23, 177:19 altherr [6] - 109:16, 140:1, 171:13, adverse [1] - 6:11 applying [5] - 38:22, 38:23, 44:24, 208:14, 209:17, 210:17 advised [2] - 79:18, 162:7 84:12, 112:21 Altherr [5] - 3:10, 115:18, 164:23, advisement [2] - 182:12, 192:19 Hawkins Reporting Service apportioned [1] - 91:23

assistance [1] - 206:17 apportionment [3] - 101:7, 101:12, 104:16 associates [1] - 119:24 approach [4] - 105:24, 198:4, 198:6 assumed [1] - 106:18 assured [1] - 165:18 appropriate [8] - 44:19, 52:17, 91:22, 124:5, 127:2, 138:14, 138:15, 175:8 attach [1] - 186:15 approved [1] - 91:17 attack [1] - 126:19 April [4] - 75:22, 80:10, 112:24, 132:15 attention [1] - 157:5 areas [2] - 58:20, 171:19 August [21] - 100:3, 101:4, 102:13, argue [17] - 25:11, 25:23, 26:10, 41:13, 104:10, 104:13, 104:15, 110:11, 48:21, 49:17, 51:14, 58:10, 58:21, 110:12, 110:13, 110:17, 110:23, 63:15, 72:1, 80:13, 137:19, 189:7, 111:17, 112:9, 113:6, 113:7, 113:14, 194:19, 194:21, 200:21 113:17, 113:19, 113:20, 187:18, argued [15] - 42:10, 47:8, 47:24, 60:14, 189:14 69:2. 77:16. 108:12. 131:15. 137:14. authority [2] - 74:18, 83:23 137:18, 144:18, 176:16, 186:15, automobile [1] - 35:5 186:22, 188:18 available [3] - 111:22, 115:4, 204:9 argues [1] - 90:5 avoid [4] - 40:23, 136:13, 162:21, arguing [13] - 11:2, 11:4, 22:24, 41:17, 162:22 42:16, 42:20, 66:17, 75:18, 76:24, award [1] - 92:13 77:7, 99:4, 124:14, 126:9 awarded [1] - 191:2 argument [39] - 5:18, 5:23, 9:19, 15:20, aware [5] - 4:2, 31:5, 59:4, 74:20, 74:21 22:14, 23:1, 23:12, 23:15, 24:12, 35:18, 43:19, 45:22, 46:8, 48:17, В 49:18, 55:18, 67:23, 68:4, 69:21, 74:7, 87:1, 88:19, 98:20, 98:21, 108:13, background [1] - 162:9 117:14, 122:12, 132:23, 133:16, backstop [1] - 149:19 138:8, 141:20, 142:4, 150:6, 151:23, bad [2] - 175:19, 188:14 183:9, 189:23, 197:7, 200:19, 202:7 baked [1] - 96:17 argumentative [1] - 198:12 **balance** [1] - 134:15 arguments [13] - 18:3, 19:23, 27:8, Banner [1] - 3:9 45:21, 46:13, 58:7, 59:8, 149:8, 149:9, **BANNER** [1] - 2:5 177:7, 182:1, 203:1, 203:2 bar [1] - 204:18 arising [1] - 83:10 Arizona [1] - 140:4 barium [11] - 60:6, 62:8, 63:2, 63:8, 66:3, 66:4, 66:17, 68:11, 68:15, 69:12, arose [1] - 160:17 70:9 arrangements [1] - 138:22 barred [1] - 75:8 arrived [1] - 64:13 barrier [2] - 125:13, 125:14 arriving [1] - 65:7 base [2] - 48:18, 170:6 ARSHT [1] - 2:11 based [28] - 8:24, 12:17, 36:10, 38:10, Arsht [1] - 3:13 40:21, 41:4, 51:23, 53:1, 53:13, 76:20, art [20] - 14:4, 35:15, 59:3, 59:9, 61:6, 84:21, 91:15, 92:9, 92:13, 96:11, 97:3, 61:14, 65:16, 67:16, 68:22, 69:6, 72:13, 74:13, 82:5, 82:18, 83:17, 101:6, 104:16, 106:4, 112:13, 115:3, 142:11, 148:2, 148:7, 155:10, 170:6, 88:20, 126:14, 147:22, 150:14, 183:24 191.14 articulate [1] - 63:24 bases [1] - 26:12 articulated [2] - 27:10, 28:1 **basis** [23] - 24:1, 25:12, 27:14, 27:16, articulation [1] - 39:16 35:24, 36:24, 48:10, 48:12, 48:22, aside [3] - 87:3, 88:10, 161:24 49:2, 91:18, 91:24, 93:18, 95:15, aspect [6] - 34:5, 54:1, 60:16, 63:2, 101:5, 107:10, 135:3, 139:9, 154:18, 184:1, 184:4 158:2, 168:11, 174:23, 200:10 aspects [6] - 4:16, 8:24, 14:12, 32:15, Bass [1] - 181:5 34:2, 61:24 battled [1] - 94:20 assemblies [1] - 78:20 bear [2] - 70:17, 173:20 assert [6] - 74:11, 83:9, 89:3, 145:18, become [1] - 7:3 146:17, 150:11 becomes [3] - 18:23, 43:7, 66:13 asserted [7] - 72:13, 72:15, 72:18, 76:8, **BEFORE** [1] - 1:18 148:17, 153:5, 182:18 begin [1] - 3:23 asserting [4] - 98:10, 142:2, 146:3, beginning [1] - 170:10 146:5

assess [1] - 128:4

behalf [2] - 97:20, 207:7 behind [2] - 78:22, 86:4 belabor [1] - 173:5 belief[1] - 133:19 below [4] - 18:5, 20:10, 31:16, 31:20 bench [4] - 78:3, 136:20, 202:23, 204:16 benches [1] - 204:11 benefit [2] - 109:9, 179:7 Bennett [1] - 209:16 best [5] - 8:6, 47:4, 51:10, 132:16, 175:9 better [4] - 49:21, 109:13, 199:21, 205:2 Betts [1] - 89:23 between [11] - 6:8, 15:9, 25:16, 72:2, 103:8, 109:3, 121:6, 125:8, 128:5, 131:13, 183:23 beyond [8] - 32:13, 32:14, 39:24, 49:15, 49:20, 148:11, 191:10, 197:3 **big** [3] - 17:3, 17:6, 117:13 bigger [1] - 123:17 binding [2] - 162:12, 162:14 biocompatibility [11] - 60:19, 61:18, 62:15, 62:22, 62:24, 63:22, 63:23, 67:23, 69:1, 98:21, 181:15 biocompatible [43] - 59:10, 59:13, 59:18, 60:16, 60:21, 60:24, 61:2, 61:3, 61:4, 61:9, 61:10, 61:11, 61:23, 63:4, 63:5, 63:6, 63:7, 63:11, 64:4, 64:5, 64:9, 64:10, 64:15, 64:21, 65:4, 65:10, 65:14, 65:18, 65:19, 66:12, 66:16, 66:18, 66:22, 67:9, 67:19, 69:19, 69:22, 69:23, 70:12, 178:3, 185:13 biodegradability [1] - 62:23 biodegradable [1] - 99:11 bit [12] - 16:23, 27:8, 82:22, 99:18, 173:12, 174:18, 187:20, 190:15, 196:7, 201:1, 201:8, 202:3 bite [1] - 86:2 bookend [1] - 56:18 bother [2] - 172:13, 175:21 bottom [3] - 92:1, 125:5, 196:11 box [1] - 205:11 brand [1] - 87:16 brand-new [1] - 87:16 break [8] - 93:16, 93:20, 131:11, 131:13, 137:17, 141:4, 144:15, 144:21 breakdown [1] - 203:7 brief [14] - 45:20, 80:13, 89:22, 119:19, 128:15, 131:7, 164:21, 185:4, 185:7, 185:22, 198:11, 198:15, 202:7, 205:1 briefed [2] - 55:5, 122:5 **briefing** [4] - 64:20, 75:2, 116:16, 185:2 briefly [7] - 6:3, 44:5, 114:19, 115:22, 128:12, 163:13, 190:12 bring [10] - 34:9, 36:9, 53:18, 106:8, 147:13, 173:8, 180:24, 204:22, 210:10 bringing [3] - 12:16, 94:18, 152:24 broad [2] - 160:14, 163:20 broader [5] - 27:8, 43:15, 72:8, 81:18, 87:1 Hawkins Reporting Service Service (1)-77:6

715 North King Street - Wilmington, Delaware 19801 (302) 658-6697 EMAIL: Dalehrs@aol.com

brought [2] - 67:24, 78:17 BTG [1] - 85:3 bubbles [3] - 33:15, 153:24, 154:1 build [1] - 67:13 building [3] - 123:16, 124:4, 199:22 bunch [2] - 182:4, 182:5 burden [1] - 152:22 Burke [24] - 6:21, 32:1, 32:17, 45:3, 53:6, 55:11, 55:19, 57:11, 57:23, 58:4, 65:2, 65:22, 71:14, 91:22, 116:7, 118:18, 120:3, 124:13, 124:22, 125:23, 128:1, 130:9, 136:22, 137:3 Burke's [5] - 126:19, 133:2, 183:11, 184:7, 189:9 business [1] - 143:11 Business [1] - 172:20 busy [2] - 3:23, 138:23 **buying** [1] - 136:10 BY [7] - 2:3, 2:6, 2:7, 2:11, 2:12, 2:14, 2:15

C

calculated [3] - 103:5, 112:7, 112:24 calculation [5] - 109:21, 111:16, 112:17, 112:18 calculations [2] - 104:19, 113:19 camp [1] - 6:13 cancel [1] - 144:1 cannot [5] - 13:24, 19:2, 88:11, 88:13, 88:14 captioned [1] - 212:11 care [1] - 210:1 carry [2] - 73:21, 110:10 case [97] - 25:1, 25:3, 26:24, 27:13, 28:6, 29:24, 30:1, 30:7, 30:8, 32:6, 59:5, 63:20, 64:17, 73:12, 73:20, 75:2, 75:20, 76:1, 77:14, 78:14, 78:18, 78:21, 78:22, 79:3, 80:3, 82:11, 83:18, 84:15, 85:4, 87:10, 88:21, 89:14, 89:23, 90:3, 94:11, 94:13, 94:14, 94:15, 94:18, 94:20, 95:13, 96:8, 96:13, 96:16, 98:23, 110:4, 111:2, 117:8, 122:9, 133:20, 133:24, 134:2, 134:11, 135:23, 136:21, 136:23, 137:7, 141:8, 141:14, 141:21, 145:22, 148:3, 148:4, 148:8, 150:20, 150:21, 150:22, 154:22, 155:17, 160:18, 163:7, 165:14, 170:10, 170:19, 171:8, 172:11, 172:18, 172:19, 173:15, 174:12, 182:20, 184:1, 189:16, 195:16, 198:16, 205:20, 206:16, 207:9, 207:13, 207:14, 207:22, 208:10, 209:15, 209:19, 210:4, 210:16 Case [1] - 1:7 cases [2] - 86:19, 114:9 Castle [1] - 212:2

catch [1] - 78:16 categorical [21] - 8:15, 10:12, 13:17,

14:9, 14:22, 15:5, 15:8, 15:12, 15:13, 15:15, 15:18, 15:21, 15:23, 16:4, 16:19, 23:16, 23:20, 26:13, 36:11, 42:1, 149:2 categories [1] - 59:12 category [1] - 91:16 causation [1] - 32:24 caused [2] - 30:19, 160:19 causes [1] - 40:13 causing [3] - 33:15, 116:19, 149:2 certain [17] - 4:16, 6:13, 11:6, 21:22, 34:21, 38:8, 38:21, 47:18, 55:11, 57:8, 57:20, 167:22, 168:10, 179:21, 182:1, 199:2, 199:9 certainly [18] - 8:4, 11:4, 41:7, 73:13, 100:3, 103:14, 103:18, 131:24, 132:8, 134:10, 150:7, 155:15, 156:3, 159:17, 160:6, 164:14, 167:5, 191:16 **CERTIFICATE** [1] - 212:5 Certified [1] - 212:8 certify [1] - 212:9 **challenging** [2] - 7:13, 186:18 chamber [1] - 211:12 chamber's [1] - 211:9 chance [15] - 4:3, 58:18, 63:15, 90:23, 90:24, 94:23, 101:14, 105:17, 130:22, 143:13, 160:23, 164:20, 183:1, 204:24, 208:20 change [57] - 8:12, 8:15, 9:1, 9:6, 9:14, 10:12, 13:18, 14:9, 14:22, 15:5, 15:8, 15:13, 15:15, 15:18, 15:21, 15:23, 16:4, 16:19, 18:11, 18:14, 18:15, 18:20, 19:2, 19:6, 19:8, 20:6, 20:13, 23:8, 23:16, 23:20, 25:6, 25:21, 26:13, 28:21, 30:19, 31:13, 31:20, 33:1, 34:18, 34:19, 36:11, 38:11, 38:17, 39:1, 39:17, 40:14, 42:1, 45:10, 46:3, 122:11, 149:3, 154:9, 179:13, 201:20 changes [5] - 20:8, 20:9, 24:24, 33:15, 206:16 changing [2] - 21:21, 31:16 chapter [1] - 83:6 charge [3] - 194:17, 196:24, 203:8 charged [11] - 192:14, 194:18, 194:21, 197:5, 197:6, 202:13, 202:15, 202:17, 202:20, 202:23, 203:4 chart [1] - 125:10 charts [1] - 172:22 chassis [1] - 35:5 check [1] - 195:17 chemical [2] - 116:17, 116:18 chemistry [2] - 94:17, 118:22 chief [7] - 207:9, 207:14, 207:22, 208:10, 209:15, 209:19, 210:4 Chief [1] - 1:19 choice [1] - 103:17

Circuit [13] - 77:7, 87:8, 89:18, 91:1, 92:11, 95:8, 96:7, 96:11, 96:13, 96:21, 134:23, 136:17, 137:4 circular [1] - 69:21 circumstances [1] - 84:1 citations [2] - 62:17, 62:18 cite [2] - 74:17, 172:19 cited [4] - 82:18, 83:18, 89:22, 142:6 civil [1] - 83:9 claim [298] - 4:7, 4:10, 4:12, 4:20, 5:14, 5:19, 6:10, 6:18, 7:17, 7:19, 7:20, 9:11, 9:15, 9:21, 12:18, 14:3, 14:14, 14:19, 14:23, 15:17, 15:19, 16:9, 19:4, 20:20, 22:15, 27:13, 28:11, 28:23, 29:5, 29:19, 32:2, 32:8, 32:15, 33:5, 34:6, 35:1, 35:3, 35:10, 35:12, 35:16, 39:21, 40:22, 41:18, 42:2, 42:4, 42:7, 42:9, 42:13, 42:24, 43:11, 43:13, 43:15, 43:22, 44:17, 45:3, 47:15, 47:19, 48:4, 48:23, 49:18, 50:7, 50:17, 50:24, 51:15, 51:18, 51:22, 52:3, 52:4, 52:13, 52:17, 52:24, 53:10, 53:12, 53:16, 53:19, 54:4, 55:6, 55:13, 56:21, 57:7, 58:3, 58:4, 58:6, 58:11, 58:22, 59:7, 60:11, 60:12, 60:15, 61:6, 61:14, 61:15, 61:16, 63:10, 64:7, 64:18, 65:24, 66:7, 66:8, 66:10, 66:14, 66:19, 67:4, 67:7, 67:17, 69:3, 69:17, 69:19, 69:24, 70:4, 70:22, 71:4, 71:14, 71:17, 71:20, 71:23, 72:2, 72:3, 72:4, 72:5, 72:7, 72:14, 72:15, 72:21, 72:22, 73:1, 73:4, 73:5, 73:8, 73:9, 73:15, 73:21, 73:23, 74:2, 74:4, 75:17, 76:1, 76:4, 76:5, 76:7, 76:19, 76:22, 77:2, 77:8, 77:13, 77:18, 77:21, 77:23, 78:1, 78:7, 78:11, 79:2, 79:3, 79:15, 81:9, 81:12, 81:13, 81:17, 81:18, 81:23, 82:1, 82:8, 82:17, 83:5, 83:13, 83:18, 85:20, 86:13, 87:4, 87:15, 88:6, 89:6, 89:7, 90:22, 91:4, 91:13, 91:23, 92:17, 93:18, 93:21, 95:3, 95:7, 95:10, 95:15, 95:21, 96:10, 96:16, 97:4, 97:8, 103:19, 104:4, 109:2, 112:11, 115:24, 117:24, 119:2, 120:18, 121:12, 121:21, 124:18, 125:22, 126:2, 126:19, 126:23, 127:1, 128:2, 130:10, 131:20, 132:3, 132:6, 132:18, 132:21, 133:2, 133:10, 134:5, 134:7, 134:18, 134:21, 135:3, 135:14, 135:19, 136:1, 136:16, 137:10, 137:15, 137:23, 137:24, 138:8, 142:19, 143:3, 144:18, 145:8, 145:20, 145:21, 145:24, 147:14, 150:21, 151:10, 152:4, 152:6, 152:24, 155:1, 155:5, 155:10, 176:15, 177:5, 177:8, 177:9, 177:19, 177:22, 178:1, 178:4, 178:7, 178:20, 179:11, 180:3, 180:7, 180:9, 180:11, 180:15, 180:16, 180:19, 180:21, 180:24, 181:13, 181:14, 181:19, 182:3, 182:9, 182:14, 182:24, 183:8, 183:12,

Hawkins Reporting Service

chose [1] - 103:8

chosen [2] - 90:14, 158:14

CHRISTOPHER [1] - 2:7

183:14, 183:20, 183:21, 184:8, 46:16, 51:8, 149:2, 156:19, 156:21 conducted [1] - 128:19 184:17, 184:22, 186:3, 186:8, 201:2, colored [1] - 39:3 confer_[8] - 76:11, 155:17, 157:1, 183:2, 201:12, 201:23 colors [12] - 18:5, 20:21, 21:23, 22:2, 196:19, 202:3, 207:1, 208:20 claim-by-claim [2] - 91:23, 95:15 23:10, 25:8, 25:15, 28:24, 44:18, conference [6] - 3:22, 80:11, 140:3, claimed [3] - 14:1, 191:3, 191:4 44:22, 46:22 140:16, 165:6, 202:18 claiming [1] - 95:2 combination [1] - 74:12 confident [1] - 93:7 claims [60] - 6:18, 9:17, 10:4, 11:14, comfortable [5] - 155:19, 166:20, confirm [3] - 5:22, 96:21, 177:19 11:17, 12:15, 13:3, 13:13, 13:23, 15:4, 176:24, 178:20, 201:13 conflating [1] - 124:15 15:24, 25:3, 27:2, 28:2, 28:14, 29:21, coming [6] - 137:6, 162:12, 186:11, Confluent [5] - 168:8, 168:24, 169:3, 30:22, 34:2, 38:3, 38:15, 39:4, 39:5, 206:6, 208:3, 209:13 169:9, 171:24 39:9, 39:10, 40:8, 40:10, 40:11, 42:18, Commission [1] - 83:12 confront [2] - 74:19, 74:22 43:4, 43:5, 44:11, 50:9, 50:10, 54:8, commit [1] - 105:19 confronted [1] - 160:10 72:4, 72:7, 72:17, 72:19, 73:7, 76:8, common [5] - 82:17, 82:18, 82:19, confronting [1] - 132:10 77:12, 79:14, 80:24, 81:1, 81:6, 91:14, 169:15. 179:15 confused [1] - 88:3 95:16, 133:7, 146:18, 148:12, 148:17, company [1] - 164:17 connect [1] - 19:20 148:20, 148:22, 149:24, 152:1, 152:3, compared [1] - 150:22 connected [1] - 116:22 153:6, 178:8, 180:14, 182:18 compensate [1] - 114:9 connection [5] - 130:10, 156:12, clarification [1] - 141:1 compensation [5] - 103:20, 104:3, 182:17, 185:23, 192:23 clarity [9] - 47:4, 56:1, 100:14, 119:10, 104:6, 105:8 connotations [1] - 129:24 190:15, 190:19, 195:6, 195:9, 208:8 competition [1] - 164:7 consider [3] - 91:7, 135:11, 189:20 clear [17] - 8:10, 13:6, 36:1, 47:12, 69:5, competitors [3] - 89:21, 90:2, 134:17 considered [4] - 80:2, 80:10, 132:20, 75:14, 86:9, 86:19, 86:21, 102:19, compile [1] - 149:11 187:11 114:7, 184:20, 188:6, 188:8, 188:16, complete [7] - 80:6, 89:14, 108:18, considering [1] - 135:5 188:17, 202:12 125:17, 125:21, 127:12, 127:14 consistent [4] - 7:20, 50:6, 109:2, clearance [1] - 127:1 completed [3] - 127:12, 127:16, 134:4 154:22 clearly [7] - 47:6, 63:5, 87:23, 105:18, completely [3] - 72:12, 72:16 constantly [1] - 203:14 107:5, 108:20, 188:15 completeness [1] - 207:12 construction [71] - 4:7, 4:10, 5:14, 5:20, click [1] - 120:22 complex [2] - 94:14, 94:21 6:11, 7:20, 11:23, 12:19, 19:5, 22:16, clip [2] - 208:6, 208:12 complexity [1] - 73:12 27:13, 29:13, 32:8, 32:16, 32:22, 33:5, clipboard [1] - 205:14 complicate [1] - 73:11 39:21, 39:24, 41:19, 43:22, 47:15, clock [2] - 54:11, 96:4 47:19, 48:5, 48:24, 49:19, 50:7, 50:18, complicated [1] - 171:8 close [3] - 143:10, 200:5, 200:10 complicating [1] - 94:18 51:1, 51:19, 53:20, 58:12, 58:23, 59:7, closed [2] - 199:8, 199:10 59:18, 63:11, 64:2, 64:4, 64:7, 64:14, complications [1] - 133:3 closer[1] - 106:18 64:18, 65:7, 65:21, 65:24, 66:22, 67:4, complied [1] - 150:16 closing [2] - 199:1, 199:24 67:7, 67:17, 69:4, 70:22, 124:5, 126:3, component [4] - 102:23, 115:7, 115:8, closings [1] - 202:24 126:20, 126:23, 127:1, 128:2, 130:10, 115:14 **closure** [1] - 199:16 130:15, 145:8, 152:4, 152:7, 155:2, components [4] - 52:13, 101:9, 116:20, cloudier [1] - 19:4 177:9, 181:13, 182:3, 182:24, 184:17, 118:8 co [2] - 140:5, 141:3 184:23, 185:12, 185:17, 186:3, 186:19 composition [15] - 52:22, 59:13, 59:19, co-counsel [2] - 140:5, 141:3 constructions [5] - 6:19, 38:17, 40:22, 60:13, 60:22, 60:23, 61:4, 61:12, coat [2] - 63:19, 185:12 155:11, 180:11 65:14, 68:13, 68:17, 68:18, 69:22, coated [11] - 60:13, 61:22, 62:1, 62:10, construe [2] - 53:16, 184:2 178:3, 185:14 67:1, 67:8, 68:13, 68:17, 68:19, 68:23, construed [11] - 9:18, 53:10, 63:18, comprising [1] - 35:5 69.7 63:21, 63:23, 65:4, 69:17, 70:4, 70:6, computation [1] - 110:2 cogent [1] - 80:11 124:19, 155:3 **CONAWAY** [1] - 2:3 collagen [2] - 63:3, 70:9 construes [1] - 184:8 Conaway [1] - 3:8 consulted [3] - 162:4, 163:5, 163:19 colleagues [1] - 3:16 concept [1] - 118:24 college [1] - 71:10 contact [13] - 52:7, 52:9, 52:22, 53:3, concern [7] - 159:24, 160:1, 160:7, color [71] - 8:16, 8:17, 10:12, 10:14, 57:13, 140:7, 141:5, 166:13, 166:15, 163:24, 207:22, 210:14 166:22, 167:1, 179:17, 179:22 10:16, 10:18, 11:6, 11:9, 11:10, 12:8, concerned [2] - 205:2, 207:17 contacted [1] - 210:21 12:11, 13:18, 14:1, 17:14, 17:16, concerns [3] - 140:21, 146:11, 146:22 17:17, 18:11, 18:18, 18:19, 19:6, 20:3, contend [2] - 107:24, 174:5 concession [1] - 95:1 23:8, 23:17, 23:20, 23:23, 24:15, content [1] - 145:1 concluded [1] - 41:7 24:23, 24:24, 25:7, 25:15, 26:13, contest [4] - 65:15, 97:24, 98:3, 109:22 concludes [2] - 39:19, 39:22 26:22, 28:14, 28:20, 29:9, 29:10, contested [1] - 184:1 **CONCLUENT** [1] - 1:5 29:18, 30:6, 30:14, 31:13, 36:12, 37:5, contesting [1] - 113:18 conclusion [2] - 32:1, 132:19 37:9. 37:11. 37:12. 37:16. 37:19. context [17] - 16:19, 16:23, 31:14, condition [1] - 153:20 38:17, 38:20, 38:24, 39:14, 39:15, 50:10, 50:20, 64:11, 72:21, 119:2, conditions [1] - 68:21 42:2, 44:13, 45:13, 45:14, 45:18, 120:8, 127:7, 129:10, 130:6, 135:17, conduct [1] - 78:3 Hawkins Reporting Service 174:12, 188:16, 208:8, 208:21 45:24, 46:3, 46:6, 46:8, 46:9, 46:11,

```
continuation [1] - 83:21
continue [1] - 98:14
continued [2] - 39:12, 110:16
continues [1] - 111:21
continuously [1] - 31:15
contradicts [1] - 103:16
contrary [2] - 76:15, 108:4
contributed [1] - 172:8
controlled [2] - 17:23, 120:15
controlling [2] - 85:10, 120:20
COOLEY [1] - 2:14
Cooley [2] - 3:16, 165:8
Cooper[1] - 89:23
coordinated [1] - 165:7
copies [2] - 197:16, 197:21
copy [2] - 197:21, 211:11
cornucopia [1] - 45:11
CORP [1] - 1:4
Corp [1] - 89:22
corporate [3] - 162:8, 169:4, 170:14
correct [30] - 7:14, 8:20, 9:12, 9:22,
 9:23, 11:18, 11:19, 13:1, 23:20, 23:21,
 26:6, 55:7, 59:14, 59:15, 77:5, 80:21,
 84:1, 108:12, 108:15, 113:6, 114:22,
 126:3, 130:12, 137:9, 144:12, 158:4,
 159:21, 162:13, 178:9, 178:10
correctly [5] - 28:4, 35:22, 41:13, 78:17,
 159:10
correlate [1] - 46:9
correlated [2] - 19:7, 22:10
correlation [4] - 21:20, 22:1, 25:17, 46:7
costing [1] - 68:1
Counsel [2] - 2:8, 2:16
counsel [3] - 140:5, 141:3, 165:20
counter [5] - 45:21, 207:20, 208:8,
 208:19, 209:3
counter-designate [2] - 207:20, 208:19
counter-designations [2] - 208:8, 209:3
County [1] - 212:2
couple [6] - 19:21, 19:23, 52:4, 132:1,
 141:8, 156:9
course [9] - 4:3, 85:23, 90:24, 180:14,
 180:24, 182:3, 188:1, 200:8, 201:7
court [16] - 74:19, 74:22, 78:12, 84:7,
 84:11, 85:3, 85:13, 85:22, 132:10,
 134:12, 140:3, 140:8, 165:11, 170:18,
 189:8, 197:16
COURT [298] - 1:2, 3:1, 3:6, 3:11, 3:19,
 5:10, 5:13, 6:4, 7:6, 7:21, 8:1, 8:18,
 9:9, 9:14, 9:18, 10:2, 10:8, 10:20,
 11:15, 12:2, 12:20, 14:6, 15:10, 15:22,
 16:3, 16:13, 16:17, 17:5, 19:16, 19:22,
 21:2, 21:8, 21:13, 22:12, 22:23, 23:4,
 23:14, 23:22, 24:5, 24:11, 24:21,
 25:10, 25:18, 25:23, 26:5, 26:8, 26:15,
 26:21, 27:4, 27:9, 27:19, 27:24, 29:2,
 29:22, 30:4, 31:3, 32:3, 34:9, 35:17,
 35:21, 36:18, 36:22, 37:3, 37:24, 40:2,
 40:24, 41:11, 41:21, 42:5, 42:14,
 42:22, 43:18, 44:2, 44:7, 47:3, 47:11,
```

51:4, 51:9, 51:13, 53:21, 55:4, 55:10, 55:17, 56:11, 56:23, 57:3, 58:5, 58:17, 59:12, 59:16, 59:23, 60:3, 60:8, 63:14, 64:3, 66:2, 66:24, 68:8, 70:14, 70:17, 71:2, 71:12, 72:24, 74:17, 76:17, 78:13, 78:24, 79:7, 79:12, 79:17, 79:23, 80:19, 81:8, 83:1, 83:22, 84:16, 84:20, 85:13, 86:10, 86:20, 88:23, 89:5, 89:9, 90:11, 90:18, 92:1, 92:7, 92:22, 93:2, 93:6, 93:14, 93:23, 94:7, 94:22, 97:12, 98:5, 98:16, 99:18, 100:8, 100:18, 104:8, 104:24, 106:1, 106:13, 106:20, 107:3, 107:23, 108:10, 109:4, 109:15, 110:15, 111:5, 111:11, 111:18, 113:4, 113:8, 113:23, 114:18, 115:21, 116:11, 121:23, 122:14, 122:22, 124:7, 124:10, 125:16, 126:8, 127:3, 127:10, 127:18, 127:21, 128:10, 129:6, 130:8, 130:14, 130:21, 131:1, 131:5, 131:8, 138:18, 139:14, 139:21, 140:24, 141:15, 142:5, 142:8, 142:13, 142:22, 143:24, 144:6, 144:14, 145:9, 145:13, 145:16, 146:5, 146:10, 146:15, 146:22, 147:1, 147:8, 147:17, 147:23, 148:16, 149:12, 150:8, 151:2, 151:15, 151:19, 151:22, 153:4, 153:16, 154:20, 155:14, 156:23, 157:8, 157:11, 157:17, 157:24, 158:6, 159:10, 159:19, 159:23, 160:22, 161:2, 161:5, 161:9, 161:14, 161:24, 162:10, 162:20, 163:11, 163:17, 163:23, 164:18, 164:22, 165:3, 165:24, 166:4, 166:11, 166:19, 167:2, 167:9, 167:17, 168:1, 168:18, 169:22, 170:1, 171:12, 172:12, 173:3, 173:20, 176:10, 176:12, 177:7, 177:13, 177:21, 178:6, 178:11, 178:24, 179:4, 181:24, 182:7, 182:21, 183:6, 184:5, 184:14, 190:10, 190:17, 191:9, 191:22, 193:7, 193:10, 196:1, 196:3, 198:21, 198:23, 199:12, 199:18, 200:14, 200:16, 201:10, 201:19, 202:11, 203:24, 206:2, 206:22, 207:2, 207:17, 207:24, 208:14, 209:5, 209:8, 210:5, 210:18, 210:23, 211:4, 211:17, 211:20 Court [56] - 1:19, 6:10, 9:8, 12:1, 12:15, 14:14, 38:11, 38:12, 39:8, 39:10, 39:12, 39:19, 39:22, 41:7, 41:23, 42:10, 43:12, 52:16, 52:18, 53:10, 53:16, 54:11, 54:15, 54:16, 54:21, 59:6, 60:17, 60:22, 61:1, 61:17, 63:20, 63:23, 65:11, 69:17, 69:21, 70:5, 70:6, 77:8, 78:5, 80:9, 80:16, 91:6, 101:13, 114:14, 121:13, 124:15, 128:3, 155:2, 177:4, 179:8, 184:2, 192:7, 193:16, 209:23, 211:22 court's [1] - 50:17 Court's [30] - 4:10, 5:19, 7:20, 8:9, 12:18, 32:21, 39:21, 39:24, 41:18,

53:19, 59:18, 63:10, 70:22, 145:8, 150:16, 152:4, 152:6, 155:1, 155:10, 181:13, 182:3, 185:12, 185:17, 186:19 courtesy [1] - 211:11 courtroom [8] - 5:3, 199:1, 199:24, 200:4, 200:5, 200:11, 202:13, 204:10 Courtroom [1] - 1:14 courts [1] - 139:8 cover [1] - 131:12 covered [1] - 156:16 Covidien [1] - 168:8 creation [1] - 37:7 credible [1] - 102:24 credibly [1] - 101:15 CRENSHAW [25] - 2:15, 97:19, 98:8, 98:18, 99:23, 100:12, 100:21, 105:2, 106:6, 106:15, 114:20, 138:2, 139:23, 146:24, 147:19, 148:2, 148:21, 149:18, 150:12, 153:18, 157:16, 157:19, 190:11, 190:24, 191:20 Crenshaw [4] - 3:18, 75:3, 97:20, 143:14 critical [3] - 170:17, 170:23 cross [8] - 100:17, 140:11, 159:17, 160:6, 188:2, 198:2, 200:7, 210:3 cross-examination [1] - 140:11 cross-examine [4] - 100:17, 159:17, 160:6. 188:2 crosslink [2] - 52:7, 123:16 $\textbf{crosslinked} \ {\tiny [3]} - 19:9, \ 60:24, \ 125:21$ crosslinking [9] - 52:14, 52:21, 124:2, 124:4, 127:16, 128:5, 128:9, 179:17 crosslinks [5] - 121:18, 121:20, 122:20, 129:15, 130:19 crucially [1] - 190:1 cumulative [4] - 171:3, 190:14, 190:22, 191:6 cure [6] - 117:1, 119:22, 129:16, 170:20, 173:13. 174:24 **cured** [35] - 56:7, 58:2, 117:24, 118:6, 118:20, 119:5, 119:12, 119:14, 119:22, 120:4, 121:10, 121:15, 121:17, 122:1, 122:16, 122:19, 123:14, 123:20, 123:24, 124:1, 124:16, 125:20, 127:4, 127:11, 127:14, 128:8, 128:24, 129:3, 130:3, 130:18, 184:3 curing [1] - 129:16 custodian [1] - 174:9 custodians [2] - 161:23, 172:9 cut [3] - 6:1, 153:12, 201:1 cuts [1] - 87:2 D

Court's [1] - 50:17
Court's [30] - 4:10, 5:19, 7:20, 8:9,
12:18, 32:21, 39:21, 39:24, 41:18,

Hawkins Reporting Service

Dale [3] - 212:7, 212:19, 212:20
damages [37] - 76:3, 76:5, 76:8, 76:19,
77:1, 77:3, 90:13, 90:21, 91:8, 91:11,
91:22, 92:13, 93:17, 95:2, 95:3, 95:14,

```
95:21, 97:2, 98:1, 98:11, 101:5, 103:4,
                                              167:12, 174:7, 174:17, 176:22, 182:5,
                                                                                          developed [1] - 136:6
 103:5, 103:18, 103:24, 104:1, 104:23,
                                              182:23, 183:7, 183:14, 184:21,
                                                                                          deviation [1] - 128:21
 105:8, 110:22, 112:23, 113:12, 114:8,
                                              186:16, 187:4, 196:1, 207:24, 209:8
                                                                                          devices [1] - 78:19
 114:17, 136:4, 136:10, 188:24
                                             defending [1] - 74:9
                                                                                          devoting [1] - 143:18
dark [2] - 17:14, 140:13
                                             defense [4] - 41:16, 49:12, 74:3, 147:15
                                                                                          dichotomy [1] - 155:8
darkening [2] - 21:3, 21:6
                                             defenses [14] - 33:11, 50:12, 133:17,
                                                                                          differ [1] - 179:12
darker [4] - 18:20, 19:3, 19:17, 20:7
                                              133:21, 135:12, 147:24, 148:19,
                                                                                          difference [5] - 15:9, 16:7, 18:12, 72:2,
date [1] - 80:6
                                              149:14, 149:19, 150:2, 150:10, 151:6,
                                              152:23, 155:13
dates [1] - 72:18
                                                                                          different [36] - 6:18, 8:19, 8:23, 13:5,
Daubert [2] - 6:21, 8:9
                                             define [1] - 155:17
                                                                                           32:15, 45:12, 56:10, 57:20, 72:4,
daughters [1] - 71:11
                                             defined [1] - 117:17
                                                                                           72:12, 72:13, 72:16, 72:17, 81:2,
                                             definite [3] - 52:2, 57:12, 124:6
days [1] - 93:8
                                                                                           87:22, 88:2, 88:4, 101:3, 104:11,
deadline [2] - 93:2, 96:5
                                             definitely [1] - 126:20
                                                                                           116:20, 117:9, 117:18, 117:19, 118:4,
                                             definition [2] - 61:18, 62:14
                                                                                           118:22, 119:24, 120:7, 120:19, 122:8,
deal [8] - 73:7, 75:3, 94:16, 94:17,
                                             degradation [8] - 70:10, 107:14, 107:15,
                                                                                           122:10, 129:23, 132:13, 156:11,
 95:10, 138:14, 156:8, 174:20
                                                                                           157:21
dealing [2] - 73:6, 92:7
                                              107:19, 107:21, 108:7, 109:1
                                                                                          difficult [1] - 166:18
                                             DELAWARE [1] - 1:2
dealt [1] - 76:6
                                                                                          diligence [1] - 171:23
                                             Delaware [3] - 1:16, 172:19, 212:1
decide [7] - 56:12, 82:12, 87:4, 133:6,
                                                                                          dimensional [1] - 116:23
 158:11, 186:13, 201:23
                                             deliberation [1] - 205:21
decided [11] - 58:4, 75:3, 78:12, 86:5,
                                             demonstratives [1] - 49:10
                                                                                          dip [2] - 98:9, 103:9
 96:10, 97:8, 114:15, 131:21, 177:1,
                                             denied [3] - 141:24, 187:1, 190:7
                                                                                          dire [3] - 204:2, 204:12, 206:14
 186:22, 187:12
                                                                                          direct [20] - 46:1, 49:5, 73:19, 88:23,
                                             denying [1] - 189:2
deciding [4] - 85:1, 132:10, 189:21,
                                             dependent [1] - 154:5
                                                                                           89:1, 89:6, 89:21, 90:2, 134:17,
 191:16
                                             deponents [1] - 172:23
                                                                                           145:20, 145:23, 146:3, 146:6, 171:18,
decision [29] - 79:20, 79:22, 83:7,
                                                                                           175:9, 194:2, 195:2, 198:2, 200:6,
                                             depose [6] - 144:24, 165:23, 171:17,
 84:22, 85:1, 85:17, 86:17, 86:21, 96:4,
                                                                                           210:3
                                              173:18, 174:20, 188:1
 105:7, 108:11, 108:14, 132:2, 132:12,
                                                                                          directed [5] - 33:24, 34:2, 65:20, 78:19,
                                             deposed [1] - 165:12
                                                                                           190:18
 132:21, 133:19, 133:23, 134:2, 134:5,
                                             deposit [1] - 78:20
 134:22, 136:11, 137:10, 182:13,
                                                                                          directly [7] - 46:4, 52:13, 53:15, 103:16,
                                             deposition [25] - 89:15, 117:23, 139:11,
 185:1, 194:23, 197:8, 197:24, 201:24
                                                                                           168:7, 168:10, 188:23
                                              140:23, 141:10, 157:15, 161:20,
decisions [4] - 48:19, 84:11, 136:23,
                                                                                          disagree [5] - 54:22, 59:11, 73:15,
                                              163:5, 165:5, 168:13, 170:19, 171:4,
 176:14
                                                                                           100:3, 183:14
                                              171:5, 171:7, 174:22, 175:1, 177:3,
declaration [1] - 173:7
                                              196:5, 196:11, 196:12, 197:18, 203:9,
                                                                                          disallowed [1] - 111:1
declarations [3] - 163:6, 172:24, 197:17
                                              207:10, 208:6, 208:11
                                                                                          disavowal [1] - 150:2
declined [1] - 74:5
                                             depositions [17] - 138:5, 138:10,
                                                                                          disavowaled [1] - 154:3
deep [3] - 45:13, 45:14, 154:10
                                                                                          disc [1] - 122:7
                                              138:12, 138:20, 139:15, 141:3,
                                                                                          discern [1] - 162:23
deeper [1] - 18:19
                                              142:24, 143:7, 143:12, 143:20,
defeating [1] - 95:4
                                              157:21, 161:13, 165:2, 172:17, 174:8,
                                                                                          discerned [1] - 64:12
defend [3] - 75:10, 86:12, 135:14
                                              203:6, 207:5
                                                                                          disclose [10] - 104:8, 105:10, 114:23,
                                             deputy [1] - 195:17
defendant [45] - 3:14, 5:11, 14:7, 48:2,
                                                                                           147:3, 148:14, 154:15, 154:21,
                                             describe [1] - 39:17
                                                                                           155:20, 170:8, 196:13
 48:5, 48:16, 48:21, 49:6, 58:10, 63:15,
                                             described [4] - 29:6, 29:7, 32:20, 65:3
 71:21, 72:13, 74:22, 90:23, 97:20,
                                                                                          disclosed [32] - 13:16, 49:16, 50:15,
                                             description [12] - 13:14, 16:10, 26:20,
                                                                                           98:1, 98:12, 99:2, 100:2, 101:12,
 111:21, 128:11, 133:4, 133:7, 133:16,
 133:22, 134:20, 135:8, 135:9, 135:18,
                                              35:2, 35:7, 35:11, 35:14, 148:6, 153:1,
                                                                                           102:17, 103:13, 103:15, 104:11,
 144:24, 146:23, 147:4, 147:18, 151:8,
                                              153:7, 154:19, 155:5
                                                                                           104:13, 105:1, 148:1, 149:4, 149:8,
 166:7, 175:14, 176:20, 182:15, 185:7,
                                             designate [3] - 207:20, 208:18, 208:19
                                                                                           150:9, 154:11, 154:17, 156:5, 158:18,
 185:20, 187:14, 187:15, 187:20,
                                             designated [3] - 175:6, 209:12
                                                                                           161:10, 161:16, 174:4, 187:18, 188:4,
 193:7, 198:21, 201:6, 205:15, 211:2,
                                                                                           188:10, 193:24, 197:4, 197:20, 197:23
                                             designation [1] - 208:12
 211:18
                                                                                          disclosure [10] - 13:15, 115:16, 147:22,
                                             designations [7] - 196:7, 196:16,
Defendant [2] - 1:10, 2:16
                                                                                           149:1, 150:14, 161:15, 164:15, 170:3,
                                              207:11, 207:15, 207:19, 208:8, 209:3
defendant's [15] - 4:11, 4:19, 7:18, 9:20,
                                                                                           172:14, 173:10
                                             designee [2] - 169:11, 170:14
 10:10, 10:21, 11:1, 11:4, 71:3, 115:22,
                                                                                          disclosures [11] - 153:23, 154:17,
                                             despite [1] - 102:15
 131:19, 178:15, 182:11, 189:19,
                                                                                           158:19, 158:24, 159:1, 161:19, 170:6,
                                             detail [2] - 75:4, 112:19
                                                                                           170:12, 170:13, 172:16, 174:3
                                             detailed [2] - 75:23, 76:13
defendants [43] - 5:17, 5:22, 7:9, 10:3,
                                                                                          discovery [4] - 80:6, 89:14, 101:13,
                                             details [1] - 144:8
 27:12, 27:14, 49:24, 50:4, 50:16,
                                             determine [3] - 53:7, 57:12, 126:13
 51:17, 58:18, 70:15, 70:20, 71:5,
                                                                                          discretion [4] - 87:3, 132:13, 132:17,
                                             determined [4] - 60:22, 124:24, 126:1,
 72:18, 94:23, 97:13, 97:16, 102:12,
                                                                                           203:19
                                                                                          discretionary [4] - 86:21, 132:11, 137:9,
 113:10, 114:19, 138:1, 141:16, 145:4,
                                             determining [3] - 8:11, 42:9, 91:19
 146:10, 147:2, 157:8, 158:7, 166:20,
                                        Hawkins Reporting Service 178:18
```

discriminate [1] - 18:10 discuss [4] - 138:3, 194:15, 202:19, 206:11 discussed [2] - 157:4, 204:8 discussion [2] - 6:1, 184:18 disfavors [1] - 89:13 dispositive [1] - 134:14 dispute [25] - 6:11, 14:21, 33:17, 50:8, 64:7, 65:5, 66:9, 67:7, 83:23, 125:1, 126:4, 126:9, 126:24, 160:1, 169:23, 175:23, 183:20, 183:23, 192:2, 198:24, 199:3, 199:7, 199:13, 199:17, disputed [4] - 6:8, 47:13, 184:8, 192:23 disputes [7] - 47:19, 65:6, 93:10, 192:22, 196:8, 202:19, 206:12 disputing [1] - 101:21 DiStefano [16] - 98:19, 99:7, 106:1, 106:5, 106:8, 107:4, 109:6, 109:7, 109:14, 185:10, 189:3, 189:6, 189:18, 189:23, 190:6, 190:7 **DiStefano's** [6] - 98:20, 99:14, 106:11, 107:12, 108:1, 108:23 distinct [1] - 73:10 distinction [3] - 66:20, 86:18, 119:18 distinctions [2] - 72:11, 120:10 distorted [1] - 45:1 district [4] - 84:11, 85:2, 139:8, 141:14 **DISTRICT** [2] - 1:2, 1:2 District [2] - 1:19, 85:5 doable [2] - 201:15, 201:17 docketed [1] - 204:2 doctor[3] - 106:10, 140:6, 177:2 doctors [1] - 138:5 doctrine [1] - 146:17 document [3] - 151:8, 172:18, 172:22 documents [21] - 125:3, 126:4, 126:6, 129:20, 140:10, 143:10, 143:14, 162:23, 163:1, 164:13, 168:10, 168:15, 169:13, 169:15, 169:19, 169:21, 172:5, 172:10, 173:7, 174:10 dollar [1] - 111:14 done [10] - 13:9, 33:7, 34:6, 51:10, 94:3, 95:11, 125:17, 137:5, 147:13, 182:10 double [2] - 98:9, 103:9 doubt [3] - 164:3, 202:2, 210:18 down [18] - 14:20, 17:15, 17:20, 20:16, 22:5, 56:22, 87:14, 112:21, 116:6, 117:4, 122:19, 124:3, 125:5, 128:18, 135:20, 143:16, 154:16, 201:1 **Dr** [90] - 8:14, 10:1, 12:5, 12:13, 13:1, 13:10, 14:11, 14:15, 15:3, 18:16, 28:17, 32:20, 33:4, 33:12, 36:16, 37:7, 37:8, 37:14, 37:18, 37:20, 37:23, 38:16, 39:13, 39:16, 39:22, 40:20, 44:1, 44:9, 44:10, 44:15, 44:16, 45:19, 46:1, 51:7, 51:23, 52:23, 53:5, 54:7, 57:16, 60:18, 68:20, 89:16, 98:19, 98:20, 99:4, 99:7, 99:10, 99:14, 106:3, 106:8, 106:11, 107:12, 108:8, 108:20

108:23, 109:5, 109:6, 109:7, 109:14, 117:21, 118:7, 119:1, 127:4, 127:5, 128:3, 128:13, 129:6, 129:17, 130:4, 138:5, 138:22, 138:23, 139:18, 156:10, 156:17, 157:13, 165:6, 165:13, 165:16, 165:23, 181:1, 181:16, 190:3, 190:6, 209:16 drag [2] - 64:16, 99:11 dragging [1] - 203:15 drags [1] - 123:23 draw [2] - 164:9, 205:9 dropped [2] - 110:3, 145:24 dropping [1] - 89:5 **Drs** [1] - 138:13 due [4] - 113:9, 134:18, 171:23, 185:4 during [13] - 75:21, 83:15, 101:12, 117:23, 137:16, 141:4, 144:15, 181:6, 193:1, 195:2, 202:22, 207:22, 209:19 dye [5] - 33:16, 72:9, 118:22, 153:24, 154:1

Ε

early [1] - 132:15 easiest [1] - 158:12 easy [2] - 93:21, 170:12 eat [1] - 118:23 effect [3] - 98:9, 104:12, 164:7 effectively [2] - 59:10, 142:21 efficient [2] - 179:10, 188:13 effort [2] - 76:12, 173:18 efforts [1] - 176:3 eight [8] - 165:19, 165:23, 166:5, 166:16, 166:21, 205:18, 205:19, 205:21 eighteen [3] - 200:20, 200:24, 201:24 either [24] - 31:17, 35:23, 47:20, 51:19, 58:8, 74:19, 83:9, 83:20, 85:19, 95:18, 102:16, 124:17, 135:10, 137:20, 139:7, 156:6, 167:4, 192:4, 192:11, 195:4, 200:20, 204:17, 205:4, 210:7 elect [1] - 86:3 electrophilic [1] - 179:19 eleven [1] - 7:22 elicit [1] - 49:6 elicited [1] - 159:12 email [3] - 211:8, 211:9, 211:12 embodiment [4] - 16:8, 29:6, 29:15, 43:2 embodiments [1] - 27:7 emerges [1] - 210:24 employee [1] - 173:9 **employees** [1] - 209:11 enable [5] - 35:6, 35:12, 43:9, 43:17 enabled [2] - 16:9, 149:22 enablement [14] - 13:14, 13:24, 14:5, 26:18, 35:2, 43:20, 50:11, 126:6, 148:6, 153:2, 153:7, 153:11, 154:19, 155.6

encompassed [1] - 81:19 encourage [2] - 180:6, 198:9 encouraged [1] - 155:16 end [10] - 3:24, 7:11, 39:7, 54:18, 57:15, 109:19, 123:20, 130:18, 160:18, 195:5 ended [2] - 110:23 energy [2] - 90:8, 155:22 engine [1] - 35:6 enormous [1] - 96:24 enter [1] - 135:2 entered [1] - 96:8 entering [1] - 28:7 entire [1] - 210:2 entirely [4] - 87:8, 102:21, 134:4, 188:6 entirety [1] - 7:2 entitled [11] - 103:18, 103:22, 103:23, 104:4, 106:8, 110:22, 112:2, 112:6, 114:8, 114:13, 156:2 enzymatic [6] - 107:13, 107:15, 107:18, 107:20. 108:7. 108:24 equals [2] - 113:2 equilibrated [1] - 119:5 equilibrium [1] - 117:5 equitable [2] - 78:3, 78:6 equivalents [1] - 146:18 erosion [27] - 97:23, 98:11, 99:21, 100:1, 100:16, 101:8, 101:20, 103:8, 103:11, 103:24, 104:2, 104:6, 104:23, 105:8, 106:18, 106:21, 110:6, 110:11, 113:16, 114:11, 115:6, 115:8, 115:9, 115:13, 190:15, 191:4 erred [1] - 124:15 ESI [1] - 172:9 especially [2] - 148:3, 153:22 **ESQ** [9] - 2:3, 2:6, 2:6, 2:7, 2:11, 2:12, 2:14, 2:15, 2:15 essentially [12] - 6:7, 6:15, 11:7, 13:8, 15:16, 33:10, 34:4, 61:1, 72:1, 72:9, 119:11, 187:17 estopped [10] - 74:9, 75:18, 86:7, 133:17, 139:4, 139:10, 141:12, 141:17, 142:2, 142:14 estoppel [20] - 74:16, 75:1, 75:7, 78:4, 78:6, 82:21, 83:24, 84:4, 84:20, 85:8, 85:15, 86:1, 86:16, 87:2, 88:9, 88:11, 139:9, 142:19, 178:22 estoppels [2] - 84:17, 84:19 estopping [1] - 135:11 Eva [1] - 169:7 eva [1] - 171:20 event [5] - 103:3, 111:1, 157:4, 189:16, 191:2 eventually [3] - 102:22, 102:23, 129:10 evidence [40] - 4:9, 5:18, 5:23, 28:9, 47:14, 47:18, 47:22, 48:3, 48:17, 49:17, 56:8, 58:22, 70:19, 76:4, 87:11, 88:17, 88:18, 94:5, 95:16, 99:12, 106:19, 116:7, 117:10, 120:6, 129:1, 136:6, 141:13, 160:16, 168:3, 170:24, Hawkins Reporting Service 72:6, 182:2, 184:16, 185:16, 186:3,

188:23, 193:13, 193:15, 195:4, 195:20 expire [1] - 134:18 201:9, 201:14, 201:16, 202:2 exact [3] - 112:16, 185:8, 185:9 expired [1] - 135:4 fight [1] - 65:9 exactly [16] - 14:24, 16:15, 16:22, 30:2, expires [4] - 77:23, 78:7, 78:11, 97:8 figure [3] - 47:7, 111:14, 205:1 46:13, 79:4, 112:20, 125:2, 148:12, explain [5] - 16:23, 70:3, 162:24, figured [1] - 97:16 149:5, 154:7, 156:16, 165:12, 182:22, 185:14, 194:22 figuring [1] - 157:2 184:21, 197:22 explained [4] - 38:13, 44:16, 97:5 file [2] - 96:2, 185:21 examination [10] - 140:11, 195:2, 198:1, explicitly [1] - 29:7 filed [3] - 78:18, 97:15, 163:7 198:3, 198:8, 200:3, 203:1, 203:14, explore [1] - 204:23 filling [1] - 208:11 203:16, 210:2 **expounding** [1] - 101:3 film [1] - 125:7 examine [4] - 100:17, 159:17, 160:6, expressly [3] - 174:3, 174:13, 175:21 final [19] - 10:18, 24:24, 30:6, 79:22, 188:2 extent [19] - 11:6, 34:21, 38:8, 38:21, 83:7, 84:21, 85:17, 86:17, 86:18, examining [1] - 198:14 40:2, 53:18, 57:9, 57:21, 100:8, 105:4, 89:17, 96:3, 96:8, 132:1, 196:15, example [5] - 12:7, 13:11, 30:12, 168:2, 106:22, 109:19, 149:21, 152:5, 202:17, 202:19, 206:3, 206:8 179:10 finality [1] - 79:19 162:15, 177:21, 180:23, 182:13, 200:2 except [3] - 57:9, 89:15, 112:7 extra [1] - 197:16 **finally** [1] - 101:8 exceptions [1] - 202:14 eye [1] - 38:18 financial [1] - 199:11 exclude [3] - 63:12, 100:5, 167:13 findings [4] - 55:11, 77:11, 77:12, excluded [5] - 52:23, 100:7, 100:14, F 132:24 100:19, 152:16 fine [7] - 35:17, 166:1, 166:4, 166:23, excluding [1] - 187:13 193:8, 208:6, 210:13 face [4] - 83:19, 139:6, 142:6, 142:12 **exclusive** [1] - 16:16 finish [3] - 98:16, 203:15, 205:7 faced [1] - 75:12 exclusively [1] - 105:11 firm [3] - 3:16, 165:7, 165:8 facing [1] - 105:23 exemplary [2] - 84:11, 108:17 firmer [1] - 118:15 fact [17] - 57:10, 69:18, 76:2, 82:17, exercise [4] - 87:3, 132:12, 132:17, first [42] - 4:6, 5:16, 7:10, 9:9, 11:8, 85:2, 102:15, 137:23, 163:18, 164:12, 205:13 14:9, 17:16, 18:4, 24:5, 34:12, 35:23, 169:7, 173:17, 174:8, 188:16, 188:17, exhibit [8] - 87:17, 193:12, 193:14, 36:5, 36:10, 47:11, 48:8, 56:12, 59:2, 189:11, 195:13, 209:10 193:17, 193:22, 195:4, 195:8 68:1, 71:8, 71:24, 75:5, 83:2, 97:14, factor [4] - 89:24, 132:20, 134:13, exhibits [8] - 49:8, 168:12, 193:11, 97:23, 99:19, 101:4, 106:21, 107:4, 135:22 194:1, 194:4, 194:6, 195:22 109:17, 112:19, 128:17, 138:1, factors [7] - 80:2, 169:23, 171:11, exist[1] - 87:5 158:22, 168:23, 176:19, 187:2, 199:2, 171:16, 173:19, 176:5, 187:12 expect [4] - 36:15, 76:22, 203:18, 200:22, 204:4, 204:7, 206:9, 210:5 facts [1] - 192:10 210:21 firsthand [1] - 162:5 factual [3] - 163:2, 163:9, 192:16 expecting [1] - 201:20 fit [1] - 198:17 factually [2] - 192:21, 193:3 expended [1] - 90:7 **five** [21] - 52:8, 53:3, 54:3, 54:4, 57:13, fail [1] - 73:17 expense [1] - 90:7 72:10, 73:24, 88:20, 101:2, 102:3, failure [2] - 107:7, 174:12 113:2, 116:9, 122:1, 122:17, 123:21, experiment [4] - 120:19, 120:23, fair [7] - 27:9, 61:8, 100:15, 135:7, 124:21, 125:4, 129:4, 185:6, 185:19, 121:14, 123:3 145:13, 164:15, 176:1 experiments [4] - 33:4, 33:12, 33:22, 201:5 fairly [2] - 100:2, 197:20 128:19 five-page [1] - 185:19 fairness [1] - 144:10 fixed [1] - 65:12 expert [63] - 6:16, 6:22, 8:14, 13:20, faith [2] - 175:19, 188:14 15:6, 15:11, 23:7, 23:16, 23:23, 24:14, flag [2] - 157:5, 199:4 fall [3] - 14:23, 112:14, 116:6 24:22, 28:24, 32:20, 36:15, 39:20, floating [1] - 117:1 falls [3] - 18:7, 22:8, 29:18 40:3, 43:21, 49:6, 49:16, 50:13, 59:20, Flombaum [8] - 14:15, 37:7, 37:20, familiar [1] - 24:13 60:18, 64:22, 67:24, 68:2, 76:6, 44:9, 44:15, 51:7, 156:10, 157:9 families [1] - 94:16 103:22, 104:4, 106:5, 106:9, 108:21, Flombaum's [4] - 37:14, 37:23, 39:22, far [5] - 73:18, 91:8, 140:2, 162:16, 108:22, 117:10, 121:16, 123:1, 156:17 172:1 126:11, 128:7, 145:2, 147:21, 149:10, focus [1] - 116:1 faulted [1] - 14:14 149:15, 151:14, 152:11, 153:13, folds [1] - 66:21 favor [4] - 71:22, 92:9, 171:11, 187:13 154:2, 154:12, 156:5, 164:13, 168:11, folks [1] - 157:14 favorable [1] - 129:2 169:16, 169:17, 172:2, 174:10, follow [3] - 30:11, 205:1 186:16, 186:17, 186:20, 189:6, 190:4, FDA [1] - 91:17 follow-up[1] - 205:1 196:21, 197:2, 197:12, 197:15, 197:17 feature [3] - 11:12, 69:2, 69:19 followed [1] - 42:15 expert's [6] - 6:13, 8:21, 21:4, 61:19, features [4] - 14:22, 67:20, 69:10, 180:4 following [2] - 10:6, 19:24 68:11, 68:15 Federal [13] - 77:7, 87:8, 89:18, 91:1, footnote [3] - 105:5, 115:17, 191:1 experts [29] - 7:2, 9:5, 9:20, 10:10, 92:10, 95:8, 96:7, 96:11, 96:12, 96:21, FOR [1] - 1:2 10:21, 11:2, 11:4, 12:23, 14:18, 16:18, 134:23, 136:17, 137:3 forced [1] - 207:21 17:18, 19:11, 20:18, 22:19, 28:2, 28:8, fellow [1] - 173:18 forcing [1] - 152:20 34:5, 49:12, 59:9, 65:17, 91:19, 117:8, few [3] - 93:8, 201:3, 211:4 **foregoing** [1] - 212:9 122:9, 129:19, 145:1, 148:10, 149:21, fewer [1] - 81:18 forever [2] - 142:1, 144:1 169:14, 172:2

Hawkins Reporting Service
715 North King Street - Wilmington, Delaware 19801
(302) 658-6697 EMAIL: Dalehrs@aol.com

forget [1] - 173:22 forgotten [1] - 148:18 form [19] - 17:24, 53:4, 54:2, 75:24, 95:20, 116:16, 116:23, 119:17, 125:6, 125:24, 127:15, 130:2, 130:6, 130:20, 151:9, 179:18, 183:22, 204:13, 206:8 formally [1] - 195:3 formation [2] - 55:2, 130:5 formed [19] - 52:1, 52:8, 53:3, 60:23, 61:4, 63:7, 69:23, 122:20, 124:2, 124:23, 125:13, 125:15, 126:13, 126:16, 126:21, 128:7, 129:14, 129:15, 130:20 forming [5] - 73:24, 106:9, 129:23, 130:1, 179:21 forms [10] - 57:13, 57:18, 72:10, 116:9, 119:3, 119:4, 124:21, 125:4, 127:9, 129:20 formulate [2] - 174:22, 176:13 forth [4] - 80:23, 113:14, 182:18, 205:15 forward [29] - 88:24, 89:15, 95:6, 96:16, 110:10, 133:22, 135:10, 135:24, 138:6, 138:10, 138:20, 139:16, 139:19, 140:14, 140:22, 141:10, 142:23, 143:1, 143:8, 143:20, 147:24, 148:9, 153:7, 157:21, 170:17, 180:6, 183:8, 184:13, 192:9 foundation [2] - 172:4, 193:19 four [17] - 35:6, 48:1, 48:15, 48:19, 49:2, 49:20, 50:1, 50:6, 101:2, 117:12, 118:13, 118:21, 128:21, 143:23, 145:23, 209:14, 210:14 four-and-a-half [1] - 117:12 fourteen [1] - 205:10 fourth [3] - 22:14, 23:1, 40:24 frame [1] - 120:1 frames [1] - 125:18 free [3] - 155:16, 202:7, 208:23 freely [1] - 198:6 freestanding [1] - 116:20 Friday [3] - 6:7, 185:5, 185:19 front [7] - 66:11, 74:10, 75:19, 92:15, 96:6, 132:18, 133:18 full [8] - 14:18, 15:17, 16:8, 27:2, 27:7, 98:5, 134:15, 135:17 fully [35] - 56:7, 58:2, 97:7, 117:24, 118:5, 118:6, 118:20, 119:4, 119:12, 119:14, 119:22, 120:4, 121:10, 121:15, 121:17, 122:1, 122:16, 122:19, 123:14, 123:20, 123:24, 124:1, 124:15, 124:16, 125:20, 127:4, 127:11, 127:14, 128:8, 128:24, 129:3, 130:3, 130:18, 184:3 functional [7] - 52:6, 52:19, 119:7, 119:15, 128:6, 179:19, 179:20 fundamental [1] - 75:14 fundamentally [1] - 175:4 future [2] - 117:5, 135:21

G

game [1] - 102:11 gaps [2] - 38:20, 38:24 gel [39] - 56:9, 58:2, 116:10, 116:11, 116:12, 117:7, 117:15, 117:17, 117:22, 118:2, 118:5, 118:17, 119:12, 119:21, 119:22, 120:6, 120:12, 120:14, 121:7, 121:10, 122:6, 122:10, 122:12, 123:2, 124:16, 124:17, 128:16, 128:19, 128:20, 129:1, 129:20, 130:1, 130:5, 130:6, 130:17, 148:24, 184:3 general [5] - 42:15, 58:20, 162:8, 198:1, 199.18 generally [1] - 4:1 generic [1] - 19:2 genuine [1] - 174:17 German [2] - 138:5, 177:2 Germany [5] - 138:23, 140:7, 140:9, 165:10, 166:17 given [10] - 92:22, 135:17, 140:18, 147:5, 158:1, 171:5, 171:6, 174:7, 178:22, 208:23 gosh [1] - 160:19 govern [1] - 192:8 graduations [1] - 71:10 grant [5] - 100:11, 106:2, 131:21, 132:5, 134:12 granted [2] - 187:1, 187:2 granting [7] - 89:13, 106:21, 155:15, 187:6, 189:1, 189:9, 191:17 graphic [2] - 120:1, 130:19 **GRAVES** [40] - 2:14, 5:12, 71:7, 71:13, 73:3, 74:21, 77:5, 78:16, 79:4, 79:10, 79:15, 79:21, 94:24, 104:14, 141:19, 142:7, 142:11, 142:15, 143:6, 166:3, 166:23, 176:21, 177:24, 178:10, 178:17, 193:8, 196:2, 198:22, 199:14, 200:15, 201:12, 202:10, 203:23, 206:1, 206:21, 208:2, 209:9, 210:13, 211:3, 211:19 Graves [1] - 3:17 great [3] - 92:3, 112:18, 155:23 greater [5] - 50:22, 135:24, 136:3, 136:13 greatly [2] - 73:11, 77:18 green [33] - 17:13, 17:14, 17:16, 17:17, 17:21, 17:22, 18:5, 18:18, 18:19, 18:20, 19:3, 19:17, 21:3, 21:6, 21:12, 21:21, 38:19, 38:20, 38:23, 38:24, 39:18, 45:13, 45:14, 45:18, 45:24, 46:2, 46:8, 46:9, 46:10, 154:10, 154:11 greens [1] - 22:8 GRIMM [15] - 2:11, 3:12, 158:9, 159:15, 159:21, 160:5, 163:15, 163:18, 164:3,

Grimm [5] - 3:13, 163:13, 167:6, 168:19, 173:3
grossly [1] - 14:10
ground [3] - 74:6, 75:11, 83:14
grounds [5] - 88:20, 141:23, 142:9, 147:22, 150:14
groups [7] - 52:6, 52:19, 119:7, 119:15, 128:6, 179:19, 179:20
guess [9] - 5:15, 35:19, 37:3, 87:1, 88:14, 106:4, 138:18, 149:10, 176:19
guidance [1] - 61:18
guide [1] - 95:23
guys [1] - 93:15

н

half [4] - 117:12, 131:9, 171:19, 175:10 hand [6] - 47:17, 72:8, 77:17, 95:9, 204:15. 212:15 handle [2] - 192:22, 195:22 handling [1] - 141:3 hang [1] - 67:22 happily [1] - 154:16 happy [4] - 98:13, 137:24, 143:20, 153:19 harbor [1] - 85:7 hard [2] - 137:2, 137:3 harm [2] - 97:10, 135:6 harmful [1] - 64:21 Harrison [30] - 158:7, 158:17, 158:22, 159:7, 160:4, 160:20, 161:8, 161:22, 162:7, 162:8, 162:18, 163:7, 163:19, 164:8, 167:4, 167:10, 167:16, 167:20, 167:22, 168:4, 168:6, 168:14, 169:12, 169:20, 171:17, 171:22, 173:1, 173:24, 174:6, 175:18 Hartlage [1] - 165:13 hat [1] - 67:22 Hawkins [3] - 212:7, 212:19, 212:20 head [4] - 74:16, 152:14, 170:8, 175:20 headings [3] - 13:10, 58:14, 149:11 health [1] - 165:18 hear [16] - 14:7, 53:22, 71:5, 79:23, 87:11, 88:5, 88:17, 94:5, 97:13, 109:13, 124:10, 132:23, 137:24, 145:3, 172:3, 200:19 heard [15] - 24:12, 41:4, 63:24, 79:11, 98:19, 128:23, 141:19, 143:21, 148:14, 150:15, 168:24, 169:19, 177:3, 191:9, 208:23 hearing [2] - 135:15, 182:15 hearsay [2] - 163:23, 172:3 heavily [1] - 90:1 held [10] - 12:1, 12:15, 52:18, 71:17, 71:20, 114:10, 139:8, 141:23, 149:7, 178:21 help [11] - 6:7, 41:21, 47:4, 73:4, 151:3, 164:19, 182:22, 183:2, 183:12,

184:20, 199:23

167:7, 168:21, 169:24, 170:4, 173:5,

176:11

helps [1] - 199:22 hereby [3] - 48:11, 192:8, 212:9 hereunto [1] - 212:14 herring [1] - 35:3 high [1] - 170:22 higher [1] - 170:9 highlighted [1] - 33:8 highly [3] - 77:13, 78:8, 96:9 histories [2] - 82:7, 82:19 history [3] - 75:13, 81:23, 82:4 hit [2] - 54:17, 152:14 hitting [1] - 123:12 hold [1] - 183:10 holding [1] - 176:24 holiday [1] - 211:7 honestly [1] - 173:22 Honor [208] - 3:5, 3:13, 5:9, 5:12, 6:3, 6:15, 7:16, 7:24, 8:5, 9:3, 9:17, 11:20, 11:22, 12:4, 13:1, 13:6, 14:8, 15:3, 17:1, 17:9, 26:4, 27:18, 28:16, 29:21, 30:3, 32:13, 33:6, 33:20, 34:16, 34:23, 35:20, 36:7, 36:13, 37:6, 38:8, 40:12, 44:6, 45:7, 46:20, 47:1, 51:2, 51:21, 53:9, 53:23, 55:9, 58:3, 58:13, 58:16, 59:3, 60:2, 60:9, 61:22, 63:13, 65:22, 68:7, 68:10, 69:10, 69:18, 70:6, 70:16, 71:8, 71:13, 74:2, 75:21, 76:2, 77:6, 79:4, 79:11, 80:1, 81:11, 82:24, 83:3, 84:3, 84:24, 85:24, 86:15, 87:23, 89:8, 91:3, 92:5, 92:24, 93:4, 93:20, 94:13, 94:24, 96:14, 97:11, 97:20, 100:21, 101:1, 106:7, 106:16, 106:17, 107:12, 108:5, 108:16, 108:18, 108:19, 110:4, 111:16, 114:21, 115:15, 122:6, 123:8, 124:9, 124:12, 127:23, 128:12, 131:4, 138:2, 138:21, 139:20, 139:23, 141:11, 144:4, 144:13, 145:6, 145:15, 146:9, 146:12, 146:24, 147:7, 147:10, 147:16, 147:20, 148:22, 150:13, 150:20, 151:4, 151:12, 151:18, 152:3, 152:11, 152:19, 153:18, 154:24, 156:15, 157:7, 157:10, 157:16, 158:5, 158:10, 158:16, 158:21, 159:16, 159:22, 160:13, 161:1, 161:7, 161:13, 163:16, 164:10, 164:15, 165:1, 165:22, 166:3, 166:10, 166:24, 167:8, 169:14, 169:24, 171:15, 176:9, 176:11, 176:22, 178:18, 179:3, 179:23, 180:6, 181:23, 182:20, 183:5, 183:16, 190:9, 190:11, 190:21, 190:24, 191:21, 193:5, 193:9, 195:24, 196:2, 198:20, 198:22, 199:7, 199:15, 200:13, 200:15, 200:23, 201:13, 202:9, 202:10, 203:22, 203:23, 205:24, 206:1, 206:20, 206:21, 207:4, 207:16, 207:23, 209:2, 209:7, 211:3, 211:16, 211:19

helped [1] - 168:15

helpful [7] - 56:2, 151:5, 151:12,

184:13, 198:10, 200:7, 201:18

192:20 201:17

impact [7] - 77:2, 79:19, 92:16, 97:2, 137:17, 178:8, 182:16

Honor's [6] - 8:5, 71:19, 100:13, 138:11, 142:18, 191:8 **HONORABLE** [1] - 1:18 hope [1] - 59:21 hopefully [4] - 17:11, 155:21, 185:22, hoping [2] - 26:6, 200:4 host [1] - 138:9 hour [4] - 131:10, 171:19, 175:10, hours [9] - 118:13, 118:21, 127:17, 200:18, 200:20, 200:22, 200:24, 201:3, 201:9 human [4] - 12:8, 12:11, 13:24, 38:18 hung [1] - 24:9 hurdles [1] - 97:10 Hydrogel [1] - 118:21 hydrogel [71] - 12:12, 13:19, 19:7, 19:8, 31:14, 38:18, 38:19, 52:1, 52:8, 53:2, 53:4, 54:2, 55:2, 56:7, 57:12, 60:6, 60:16, 60:21, 60:23, 61:11, 61:24, 62:10, 63:5, 63:6, 65:14, 67:19, 68:12, 68:18, 69:22, 72:10, 73:24, 116:9, 118:1, 118:6, 118:21, 119:3, 119:4, 119:5, 119:12, 119:14, 120:4, 121:11, 121:15, 121:17, 122:1, 122:16, 122:19, 122:21, 123:14, 123:15, 123:17, 123:20, 124:1, 124:21, 125:6, 125:11, 126:13, 126:16, 128:7, 129:3, 129:20, 129:23, 130:1, 130:2, 130:18, 178:3, 179:18, 179:20, 183:22, 184:3 hydrogels [6] - 11:13, 33:13, 59:2, 59:10, 65:16, 78:21 HyperBranch [7] - 3:14, 73:20, 73:22, 74:8, 90:5, 124:14, 157:11 HYPERBRANCH [1] - 1:9

HyperBranch's [3] - 125:3, 165:13, 207:5 idea [4] - 86:4, 86:11, 116:8, 166:20 identification [1] - 157:12 identifications [1] - 48:1 identified [24] - 4:24, 5:6, 5:24, 6:15, 12:4, 28:10, 32:12, 33:3, 35:24, 41:1, 48:9, 70:12, 144:22, 145:2, 158:23, 159:2, 160:11, 164:8, 172:9, 172:17, 174:2, 174:6, 179:12, 181:10 identifies [1] - 68:21 identify [14] - 6:7, 9:4, 49:7, 49:9, 62:21, 140:1, 153:20, 155:10, 159:5, 174:12, 175:21, 185:8, 192:2, 194:3 identifying [4] - 151:10, 152:7, 152:22, 152:24 imagine [3] - 135:1, 137:2, 210:8 immediate [2] - 125:8, 125:9

impacted [3] - 90:21, 154:6, 182:14 implicated [2] - 137:15, 159:24 implication [1] - 40:5 implicitly [1] - 161:16 important [7] - 17:3, 69:10, 120:10, 160:12, 188:23, 190:2, 197:10 importantly [1] - 188:22 impossible [2] - 95:19, 135:1 imprecision [1] - 98:2 IN [2] - 1:2, 212:14 INC [2] - 1:5, 1:9 **INCEPT** [1] - 1:6 incision [1] - 123:11 inclined [1] - 179:7 include [3] - 15:8, 115:5, 196:10 included [1] - 64:1 includes [3] - 16:16, 40:5, 60:15 including [4] - 73:10, 73:24, 96:24, 178:21 inclusion [3] - 29:20, 77:8, 99:2 inconsistent [44] - 4:9, 5:19, 7:9, 12:18, 13:7, 22:15, 27:12, 32:7, 32:21, 39:10, 39:20, 41:18, 43:21, 47:14, 48:4, 48:23, 49:18, 50:17, 50:24, 51:18, 53:19, 56:6, 58:11, 58:22, 59:17, 63:10, 63:16, 67:4, 69:11, 69:16, 70:21, 177:8, 180:9, 180:11, 180:18, 181:12, 182:2, 182:24, 184:16, 184:22, 185:11, 185:16, 186:18 inconvenience [1] - 209:22 indefinite [10] - 7:19, 55:13, 64:9, 66:23, 117:20, 130:17, 153:2, 153:10, 180:15, 180:19 indefiniteness [26] - 7:16, 13:21, 51:15, 51:23, 52:11, 53:1, 53:11, 53:17, 53:24, 54:19, 54:24, 55:21, 56:14, 64:14, 65:9, 120:17, 122:12, 122:15, 148:6, 148:23, 153:8, 154:18, 155:4, 178:14, 182:9 independent [1] - 66:8 indicate [5] - 13:18, 19:9, 31:1, 34:20, 44:18 indicated [4] - 89:13, 162:3, 165:21, 171:21 indicates [5] - 23:8, 39:1, 40:15, 46:3, 163:20 indicating [3] - 10:19, 109:5, 111:12 indication [2] - 25:4, 30:23 indirect [1] - 73:18 indirectly [1] - 71:20 individual [1] - 170:8 individually [1] - 204:17 inevitable [1] - 103:4 information [15] - 140:8, 148:15, 160:21, 161:11, 161:18, 162:4, 162:5, 163:2, 163:10, 167:1, 167:24, 168:17, 174:14, 174:21, 199:11 infringe [8] - 11:13, 12:14, 15:12, 15:14, 16:5, 16:6, 16:12, 26:2 Hawkins Reporting Service infringed [5] - 71:20, 76:7, 76:9, 95:4,

132:6 infringement [62] - 10:24, 14:13, 19:18, 23:17, 35:21, 40:23, 41:12, 44:21, 45:9, 47:20, 48:8, 49:21, 55:12, 56:13, 57:6, 57:9, 57:21, 57:24, 73:17, 73:18, 73:20. 74:10. 75:12. 77:2. 77:9. 77:11. 77:21, 78:1, 80:17, 80:20, 87:4, 88:24, 89:2, 89:4, 89:6, 91:5, 92:16, 95:21, 97:4, 98:22, 103:19, 104:3, 114:4, 114:9, 115:23, 121:13, 133:9, 133:13, 145:19, 145:20, 145:23, 146:3, 146:6, 146:18, 146:21, 148:8, 153:21, 154:22, 155:8, 178:14, 180:3, 189:6 infringer [3] - 86:12, 133:5, 133:7 infringes [1] - 90:23 infringing [3] - 102:8, 110:20, 112:15 inherently [1] - 136:2 initial [9] - 5:21, 10:18, 24:23, 30:6, 117:16, 122:13, 128:14, 161:18, 192:1 initiates [1] - 116:17 injunction [4] - 77:20, 78:10, 97:3, 97:7 injunctive [1] - 135:2 inordinate [1] - 136:22 input [2] - 162:24, 163:1 inside [9] - 34:24, 42:1, 42:3, 50:8, 98:10, 100:1, 101:9, 104:2, 117:1 inspection [5] - 53:7, 124:24, 126:1, 126:12, 126:22 instance [3] - 170:21, 171:11, 203:12 instead [1] - 105:11 institute [1] - 74:6 instituted [2] - 85:12, 85:16 institution [4] - 79:13, 79:16, 141:22, 142:9 institutions [1] - 141:23 instruct [3] - 50:11, 92:14, 136:7 instructed [1] - 91:4 instruction [5] - 92:20, 92:23, 93:8, 93:11, 122:23 instructions [13] - 75:23, 76:13, 76:20, 91:9, 91:10, 118:14, 192:24, 202:16, 202:17, 202:20, 206:3, 206:9, 206:14 Integra [4] - 110:21, 173:9, 209:11 INTEGRA [2] - 1:4, 1:5 integrity [3] - 62:2, 62:13, 69:9 intend [10] - 5:22, 7:4, 49:8, 49:10, 59:17, 146:17, 194:1, 196:10, 196:14, 208:9 intended [1] - 113:11 intending [1] - 12:16 intends [3] - 147:4, 187:16, 191:10 intention [1] - 209:18 inter [2] - 83:5, 83:16 interest [4] - 83:8, 89:19, 135:6, 208:11 interesting [2] - 71:15, 132:7 International [3] - 83:12, 85:3, 172:20 interpret [1] - 52:3 interpretation [5] - 52:12, 52:17, 83:24, 99:6, 151:24 interpretations [2] - 149:20, 152:3

interpreted [3] - 8:14, 44:10, 60:11 interpreting [1] - 148:10 interrogatories [1] - 158:20 interrogatory [2] - 159:3, 161:22 **interrupting** [1] - 203:13 introduce [3] - 3:9, 48:3, 207:9 introduced [1] - 168:12 introducing [1] - 187:5 invalid [11] - 13:13, 13:23, 16:10, 26:11, 43:13, 77:12, 78:1, 83:14, 95:7, 95:22, 151:11 invalidate [1] - 86:13 invalidated [3] - 76:23, 83:19, 142:17 invalidating [1] - 74:23 invalidity [48] - 7:1, 12:22, 13:5, 16:13, 26:9, 26:10, 26:24, 27:16, 28:6, 30:1, 30:8, 30:11, 30:15, 32:6, 33:11, 41:12, 41:14, 43:4, 47:21, 48:7, 49:23, 50:6, 57:9, 74:3, 88:17, 88:18, 88:20, 133:10, 133:14, 133:17, 133:21, 138:7, 142:10, 147:3, 147:12, 148:3, 148:5, 150:20, 150:22, 150:24, 151:6, 152:23, 155:9, 155:13, 180:20, 180:24, 181:2 inventors [1] - 72:16 investigation [1] - 167:23 involved [4] - 66:21, 81:23, 168:7, 168:10 IPR [8] - 74:6, 74:14, 84:14, 85:12, 86:6, 132:24, 142:19, 178:22 irrelevant [1] - 106:12 irreparable [2] - 97:10, 135:6 issue [79] - 6:21, 23:5, 34:23, 37:22, 38:1, 43:7, 46:16, 54:19, 54:24, 55:2, 56:21, 57:19, 58:2, 59:5, 60:7, 61:21, 65:14, 66:5, 67:10, 69:4, 70:12, 78:21, 80:17, 82:20, 84:6, 88:12, 91:5, 96:17, 98:14, 98:17, 98:19, 108:2, 108:20, 109:17, 109:18, 118:9, 121:22, 123:22, 131:18, 134:7, 134:11, 142:19, 144:18, 145:4, 146:13, 147:6, 148:4, 148:23, 154:5, 155:1, 155:4, 157:21, 158:15, 159:11, 159:14, 159:16, 160:9, 160:17, 164:11, 167:3, 173:23, 177:3, 178:3, 178:14, 180:7, 180:17, 182:9, 184:11, 186:14, 189:20, 191:17, 192:3, 198:24, 206:16, 207:4, 208:16, 209:5, 209:9, 210:24 issued [1] - 209:13 issues [76] - 4:2, 4:4, 4:23, 5:1, 5:5, 5:16, 6:8, 26:19, 32:9, 32:13, 32:14,

150:24, 152:6, 152:13, 154:5, 154:16, 157:4, 176:14, 176:17, 176:19, 178:20, 180:9, 181:11, 182:11, 182:12, 182:17, 183:21, 186:1, 191:24, 192:16, 192:17, 193:3, 204:8, 206:22 IT [2] - 165:7, 165:8 itemized [1] - 147:16 itself [3] - 74:9, 88:15, 188:10 Iwanicki [4] - 3:10, 32:16, 34:11, 45:18 **IWANICKI** [56] - 2:6, 7:15, 7:24, 8:4, 8:23, 9:13, 9:16, 9:23, 10:7, 10:11, 11:3, 11:19, 12:3, 12:24, 34:16, 35:20, 36:7, 36:20, 37:2, 37:5, 38:7, 40:12, 41:5, 41:20, 41:23, 42:8, 42:21, 43:6, 43:23, 51:2, 51:5, 51:12, 51:21, 57:8, 58:13, 60:2, 60:9, 68:10, 107:11, 108:5, 108:16, 109:8, 147:7, 147:10, 151:4, 151:18, 151:21, 152:2, 153:9, 154:24, 179:2, 179:5, 182:6, 182:19, 183:4, 190:9 J Jacobs [11] - 84:6, 88:12, 138:5, 138:13, 139:4, 139:18, 141:17, 142:6, 157:13, 181:3, 201:7 Jarosz [23] - 98:7, 98:9, 99:24, 100:15, 101:1, 101:16, 101:23, 102:15, 102:19, 103:2, 103:7, 109:20, 115:6, 163:8, 168:12, 187:4, 187:7, 187:9, 187:17, 188:1, 188:9, 188:11, 189:2 Jarosz' [1] - 191:19 Jarosz's [12] - 97:23, 98:13, 99:20, 100:19, 101:13, 102:13, 103:14, 104:1, 105:6, 105:9, 163:3, 190:12 Jell [3] - 118:10, 118:12, 118:21 Jell-O [3] - 118:10, 118:12, 118:21 **JEREMY** [1] - 2:12 Jeremy [1] - 3:15 Jersey [1] - 85:5 jive [1] - 39:13 JMOL [2] - 78:2, 78:6 **JOHN** [1] - 2:6 John [1] - 3:10 joint [1] - 145:18 jointly [1] - 192:7 **JONATHAN** [1] - 2:14 Jonathan [1] - 3:17 JR [1] - 2:6 judge [3] - 57:15, 124:19, 132:4 Judge [29] - 1:19, 6:21, 31:24, 32:17, 45:2, 53:6, 55:10, 55:19, 57:10, 57:23, 58:3, 65:2, 65:21, 71:14, 91:21, 116:7, 118:18, 120:3, 124:13, 125:23, 126:19, 128:1, 130:9, 133:2, 136:22, 137:3, 183:11, 184:7, 189:9 judge's [2] - 176:23, 179:24 judgment [21] - 4:20, 38:14, 45:20, 55:7, Hawkins Reporting Service

34:1, 34:7, 46:19, 51:14, 56:4, 57:4,

73:22, 80:4, 80:9, 80:12, 80:14, 88:6,

99:12, 106:12, 116:4, 119:10, 131:15,

133:8, 134:8, 135:5, 136:19, 137:13,

137:18, 137:22, 138:3, 138:9, 138:12,

57:10, 58:16, 72:12, 73:11, 73:13,

90:14, 93:13, 94:19, 97:22, 99:9,

143:19 144:22 148:13 150:6

57:6, 57:21, 58:7, 68:3, 77:21, 77:24, 80:17, 96:8, 115:23, 124:14, 127:2, 130:11, 132:5, 134:7, 179:9, 189:10, jump [1] - 5:7 juror [6] - 38:15, 204:19, 204:22, 205:2, 205:3, 205:5 jurors [2] - 204:14, 205:10 jury [73] - 3:22, 43:19, 50:11, 70:3, 72:20, 72:22, 73:12, 74:10, 75:11, 75:19, 75:23, 76:19, 77:24, 82:3, 82:9, 82:13, 86:22, 87:4, 87:10, 87:16, 88:1, 88:5, 90:20, 90:22, 91:3, 92:14, 92:19, 93:10, 93:16, 93:22, 94:4, 94:21, 95:14, 95:23, 106:10, 109:8, 109:13, 121:15, 121:24, 122:15, 132:18, 132:23, 133:3, 135:11, 135:15, 136:4, 136:7, 136:9, 140:16, 143:7, 148:19, 192:12, 192:15, 192:24, 193:22, 194:7, 194:16, 195:1, 198:11, 198:15, 202:14, 202:19, 203:24, 204:3, 204:6, 204:9, 204:18, 205:9, 205:11, 205:18, 205:22, 205:23, 206:3 jury's [2] - 77:3, 133:20 justice [1] - 89:19 K Karen [1] - 3:7 KAREN [1] - 2:3 keep [4] - 20:23, 44:12, 129:12, 203:21 keeping [1] - 97:1 kept [1] - 140:12 kind [5] - 7:3, 117:16, 119:13, 164:10, 171:9 King [1] - 1:15 Kingdom [1] - 165:14 knocked [1] - 112:14 knocking [1] - 6:24

knowledge [4] - 160:16, 168:16, 169:1,

known [8] - 84:14, 85:9, 110:24, 113:10, 117:7, 161:8, 174:7

knows [3] - 57:17, 152:12, 169:14

169:5

211:5

lack [12] - 13:13, 13:14, 13:23, 15:15, 26:18, 26:19, 95:5, 153:1, 153:2, 155:5 lacking [1] - 190:16 lacks [2] - 14:5, 153:11 laid [1] - 105:18 language [8] - 9:19, 52:3, 75:5, 83:4, 85:15, 124:19, 124:20, 183:17 large [2] - 150:21 last [5] - 15:1, 170:17, 171:9, 175:17,

late [4] - 134:3, 170:3, 170:24, 176:2

law [4] - 141:14, 141:21, 180:4, 203:4 lawsuit [1] - 107:17 lay [1] - 193:19 layer [5] - 17:17, 17:18, 17:21, 17:22, 18.7 layers [2] - 17:15, 124:3 laying [1] - 172:4 learn [1] - 164:4 learned [2] - 164:1, 174:21 least [20] - 3:24, 32:8, 36:23, 41:15, 48:16, 49:4, 58:23, 90:13, 92:3, 92:13, 114:17, 136:10, 148:16, 186:10, 193:21, 197:21, 199:23, 201:22, 204:20, 210:22 leave [4] - 118:12, 130:7, 198:3, 198:5 leaves [1] - 205:3 left [15] - 12:23, 35:19, 37:23, 38:2, 61:19, 69:24, 73:15, 74:3, 80:15, 91:6, 109:19, 113:5, 133:13, 167:3, 205:9 legal [2] - 192:17, 192:22 legislative [1] - 75:13 lengthy [2] - 7:11, 171:5 **Lennox** [3] - 159:8, 160:6, 168:13 Lennox's [1] - 163:6 Lenox [1] - 209:16 **LEONARD** [1] - 1:18 less [10] - 72:10, 77:23, 96:19, 103:21, 118:14, 128:16, 134:12, 136:18, 171:7, 171:18 letter [5] - 185:4, 185:7, 185:20, 185:22, 202:5 letters [1] - 176:3 level [1] - 64:12 liability [4] - 89:3, 145:19, 146:4, 146:7 license [2] - 91:12, 91:18 licenses [1] - 169:3 **LIFESCIENCES** [2] - 1:4, 1:5 LifeTech [1] - 89:22 light [6] - 32:19, 77:14, 129:2, 146:13, 170:24, 206:4 likely [10] - 4:22, 78:5, 95:7, 96:9, 96:19, 134:12, 136:9, 136:18, 136:24, 143:3 limine [9] - 4:17, 100:6, 108:3, 108:19, 186:1, 186:24, 188:18, 189:5, 189:21 limit [3] - 86:5, 180:2, 198:1 limitation [15] - 7:14, 28:22, 38:3, 42:11, 59:13, 60:15, 81:1, 81:4, 107:13, 107:20, 107:21, 109:3, 179:14, 179:15, 183:24 limitations [18] - 8:12, 9:21, 9:22, 36:6, 42:17, 43:11, 64:1, 80:23, 81:6, 81:7, 81:15, 81:18, 81:19, 82:9, 82:18, 151:10, 152:24, 179:16 limited [5] - 62:14, 109:1, 152:12, 188:3, 202:14 Limited [1] - 85:4 limiting [1] - 45:3

linked [1] - 34:17 liquid [1] - 121:4 list [23] - 4:23, 12:10, 108:17, 108:18, 149:9, 151:6, 153:14, 153:19, 157:13, 157:18, 157:23, 158:3, 159:9, 161:14, 161:17, 161:19, 161:21, 164:17, 174:1, 175:18, 193:12, 193:13, 209:11 listed [2] - 10:6, 201:4 listening [1] - 29:3 lists [2] - 87:17, 87:18 literal [1] - 146:20 litigating [1] - 78:10 litigation [4] - 78:14, 80:5, 86:5, 134:24 live [11] - 99:10, 99:15, 109:9, 109:13, 208:4, 208:5, 208:10, 209:10, 209:12, 210:1, 210:15 LLC [2] - 1:5, 1:6 **LLP** [2] - 2:11, 2:14 logistics [1] - 166:24 Looby [1] - 211:10 look [34] - 5:4, 6:20, 6:22, 14:13, 14:24, 15:6, 18:9, 22:10, 33:7, 33:11, 34:22, 35:13, 38:4, 44:14, 45:23, 54:9, 57:17, 64:19, 66:7, 66:10, 77:22, 84:4, 84:10, 89:20, 91:21, 110:19, 114:23, 127:8, 129:11, 135:20, 149:10, 151:14, 183:13, 197:23 looked [8] - 17:6, 19:11, 19:12, 22:6, 54:7, 65:2, 120:1, 132:14 looking [20] - 19:6, 21:24, 22:2, 31:1, 31:19, 31:24, 33:2, 33:6, 33:16, 38:5, 38:22, 40:4, 40:7, 53:8, 60:12, 63:12, 90:3, 147:9, 147:11, 153:4 looks [4] - 18:2, 29:9, 115:15, 132:13 lose [2] - 68:3, 141:9 loses [1] - 197:6 lost [40] - 67:11, 75:8, 75:9, 101:5, 101:6, 101:7, 101:18, 101:22, 102:1, 102:9, 102:22, 103:4, 104:19, 110:21, 111:1, 111:3, 112:1, 112:2, 112:5, 112:11, 112:15, 114:5, 114:13, 114:14, 114:16, 115:4, 115:5, 115:7, 115:10, 115:12, 191:2, 191:3 loud [1] - 204:11 Lowman [25] - 8:14, 12:5, 12:13, 13:1, 14:15, 15:3, 32:20, 33:4, 33:12, 36:16, 37:8, 37:18, 40:20, 44:10, 44:16, 46:1, 53:5, 54:7, 57:16, 128:3, 129:6, 129:17, 130:4, 156:10, 157:9 **Lowman's** [9] - 10:1, 13:10, 14:11, 28:17, 39:13, 44:1, 51:23, 52:23, 68:20 LTD [1] - 2:5

M

Machines [1] - 172:20 Magistrate [5] - 91:21, 116:7, 118:18, 120:3, 124:13

Hawkins Reporting Service

line [3] - 18:23, 22:24, 92:1

limits [1] - 47:6

208:20 magistrate [6] - 110:7, 124:19, 124:22, most [6] - 4:22, 7:15, 55:5, 129:2, 175:4, 132:4, 176:23, 179:24 meeting [1] - 183:24 182:16 main [1] - 210:14 meets [2] - 15:17, 126:24 mostly [2] - 37:15, 114:21 Memorial [1] - 211:7 majority [2] - 139:8, 141:13 motion [37] - 4:11, 4:15, 37:14, 38:14, manage [1] - 199:24 memorize [1] - 197:11 71:3, 78:10, 79:24, 85:3, 97:7, 97:14, 97:18, 97:21, 99:17, 100:5, 100:9, managed [1] - 86:13 memory [19] - 8:17, 10:18, 11:10, 12:13, manner [1] - 138:15 14:1, 24:23, 25:19, 30:5, 37:1, 37:6, 100:23, 103:7, 106:14, 106:22, 107:1, March [1] - 78:23 37:10, 37:17, 37:20, 39:4, 42:3, 46:6, 107:5, 108:3, 108:19, 124:13, 131:3, 46:14, 51:8, 156:20 131:19, 131:22, 186:23, 186:24, market [4] - 101:6, 101:11, 104:16, 187:1, 188:18, 189:5, 189:19, 189:21, 112:12 mention [3] - 73:16, 73:17, 189:17 mentioned [5] - 27:6, 163:8, 163:9, 189:22, 190:6, 205:5 marketing [2] - 164:6, 170:9 164:12, 196:6 motions [6] - 4:16, 78:2, 78:6, 156:13, marks [1] - 143:15 185:24, 203:3 Merit [1] - 212:7 Maserati [3] - 35:9, 35:11, 35:12 meritorious [2] - 41:16, 107:10 move [9] - 9:11, 50:22, 55:18, 79:3, match [12] - 10:17, 11:10, 12:8, 12:11, 94:10, 97:13, 163:12, 180:6, 205:6 merits [2] - 35:18, 99:2 14:1, 20:21, 24:23, 25:7, 25:19, 46:15, moving [2] - 154:13, 184:13 met [1] - 3:16 156:22 MR [298] - 3:12, 5:9, 5:12, 6:2, 6:5, 7:15, matched [1] - 25:22 method [1] - 73:23 7:24, 8:4, 8:23, 9:13, 9:16, 9:23, 10:7, matching [14] - 8:17, 30:5, 37:1, 37:6, metric [2] - 117:16, 119:24 10:11, 11:3, 11:19, 12:3, 12:24, 14:8, 37:10, 37:17, 37:19, 39:3, 39:14, 42:3, metrics [2] - 31:18, 120:7 15:16, 16:1, 16:6, 16:15, 16:21, 17:8, Mettler [10] - 89:16, 138:6, 138:13, 46:6, 51:8, 156:19 19:19, 20:1, 21:5, 21:10, 21:14, 22:18, material [4] - 30:14, 120:16, 170:2, 138:22, 138:23, 139:18, 157:13, 23:3, 23:6, 23:21, 24:3, 24:8, 24:19, 183:19 165:6, 165:16, 165:23 25:2, 25:14, 25:20, 26:3, 26:7, 26:14, materials [4] - 17:10, 52:1, 53:4, 190:5 might [14] - 35:17, 70:24, 77:6, 79:2, 26:17, 27:1, 27:5, 27:17, 27:22, 28:12, matter [11] - 5:21, 56:6, 76:2, 81:10, 82:23, 94:9, 98:2, 143:2, 171:6, 28:16, 29:3, 30:2, 30:10, 31:7, 32:11, 174:14, 177:18, 177:19, 184:12, 95:2, 95:13, 119:23, 180:4, 192:1, 34:16, 35:20, 36:7, 36:20, 37:2, 37:5, 201:23 203:4, 212:12 38:7, 40:12, 41:5, 41:20, 41:23, 42:8, millimeter [6] - 17:19, 18:6, 19:14, 20:4, **Mays** [16] - 18:16, 45:19, 99:4, 99:10, 42:21, 43:6, 43:23, 44:5, 44:8, 47:10, 20:13, 22:9 106:8, 108:8, 108:20, 109:5, 117:21, 51:2, 51:5, 51:12, 51:21, 53:23, 55:8, $\boldsymbol{millimeters}~ [6] - 18:8,~ 22:1,~ 22:20,~ 23:9,~$ 118:7, 119:1, 127:4, 127:5, 181:1, 55:15, 55:23, 56:15, 57:1, 57:8, 58:13, 25:9, 25:16 185:10, 190:3 59:1, 59:15, 59:20, 60:2, 60:5, 60:9, Mays' [9] - 38:16, 39:16, 60:18, 62:17, mind [5] - 37:11, 37:17, 129:12, 201:23, 63:18, 64:6, 66:4, 67:5, 68:10, 70:16, 68:20, 106:3, 128:13, 181:9, 181:16 204:20 70:23, 71:7, 71:13, 73:3, 74:21, 77:5, mean [33] - 8:12, 13:3, 16:11, 21:11, minded [1] - 133:6 78:16, 79:4, 79:10, 79:15, 79:21, 80:1, 31:6, 35:4, 39:11, 54:2, 54:13, 60:21, minimize [2] - 76:14, 209:22 80:22, 81:11, 83:2, 84:2, 84:18, 84:23, 61:15, 61:23, 64:23, 69:21, 72:11, minimum [1] - 132:22 85:24, 87:7, 89:1, 89:8, 89:11, 90:16, 75:9, 85:17, 118:10, 119:6, 121:21, minute [1] - 175:17 91:3, 92:5, 92:19, 92:24, 93:4, 93:9, 124:19, 127:11, 127:13, 127:15, mischaracterizing [1] - 14:11 93:19, 94:2, 94:12, 94:24, 97:19, 98:8, 128:20, 142:13, 149:10, 153:10, missing [1] - 25:11 98:18, 99:23, 100:12, 100:21, 104:14, 155:7, 167:17, 187:2, 191:16, 202:12 misunderstand [1] - 78:15 105:2, 106:6, 106:15, 106:17, 106:24, meaning [3] - 84:12, 92:17, 127:14 misunderstood [1] - 11:20 107:11, 108:5, 108:16, 109:8, 109:18, means [18] - 9:7, 32:2, 61:2, 61:7, mix [5] - 116:13, 116:17, 117:3, 117:6, 110:18, 111:8, 111:15, 111:24, 113:7, 61:20, 64:21, 67:9, 69:23, 70:4, 75:7, 120:20 113:13, 114:2, 114:20, 116:3, 116:12, 107:15, 107:19, 119:4, 122:19, mixed [1] - 52:20 122:3, 122:18, 122:24, 124:8, 124:12, 124:22, 129:23, 174:16, 193:17 mixing [8] - 52:5, 54:1, 54:10, 54:15, 125:19, 126:11, 127:5, 127:13, meant [8] - 42:9, 42:10, 58:4, 60:23, 54:21, 55:1, 56:19, 120:18 127:20, 127:23, 128:12, 129:9, 67:8, 125:23, 127:14, 157:5 mixture [2] - 18:18, 116:16 130:13, 130:16, 130:22, 131:4, 138:2, meantime [1] - 134:23 modification [1] - 192:9 138:21, 139:17, 139:23, 141:2, measure [2] - 118:5, 122:8 moment [5] - 131:2, 148:18, 170:18, 141:19, 142:7, 142:11, 142:15, 143:6, measured [1] - 117:8 173:23, 193:21 144:4, 144:12, 145:6, 145:11, 145:15, measurement [3] - 120:12, 120:14, month [6] - 143:7, 143:21, 144:3, 146:2, 146:8, 146:12, 146:20, 146:24, 121:10 175:24, 176:4, 189:14 147:7, 147:10, 147:19, 148:2, 148:21, measures [1] - 122:9 months [3] - 19:23, 77:23, 143:12 149:18, 150:12, 151:4, 151:18, measuring [1] - 117:18 moot [2] - 139:2, 142:21 151:21, 152:2, 153:9, 153:18, 154:24, mechanics [1] - 5:2 mooted [1] - 145:7 156:15, 157:7, 157:10, 157:16, mechanism [1] - 155:19 morning [16] - 3:1, 3:4, 3:6, 3:11, 3:12, 157:19, 158:4, 158:9, 159:15, 159:21, mediation [1] - 143:17 3:15, 3:24, 79:24, 131:10, 131:15, 160:5, 160:24, 161:4, 161:7, 161:12, MEDICAL [1] - 1:9 137:14, 144:19, 184:19, 194:7, 161:17, 162:2, 162:14, 162:22, meet [15] - 28:21, 29:18, 76:10, 107:20, 194:11. 204:3 163:15, 163:18, 164:3, 165:1, 165:5, 121:11, 126:4, 126:5, 131:11, 155:16, MORRIS [1] - 2:11 166:3, 166:9, 166:13, 166:23, 167:7,

156:24, 183:1, 196:19, 202:3, 204:17

21:17, 23:7, 55:18, 60:20, 84:24, 93:8,

167:11, 167:21, 168:6, 168:21, 169:24, 170:4, 171:15, 172:15, 173:5, 176:9, 176:11, 176:21, 177:11, 177:17, 177:24, 178:10, 178:17, 179:2, 179:5, 182:6, 182:19, 183:4, 183:16, 184:11, 190:9, 190:11, 190:21, 190:24, 191:20, 193:5, 193:8, 195:24. 196:2. 198:20. 198:22. 199:6. 199:14, 200:13, 200:15, 200:23, 201:12, 202:9, 202:10, 203:22, 203:23, 205:24, 206:1, 206:20, 206:21, 207:1, 207:3, 207:23, 208:2, 209:2, 209:7, 209:9, 210:13, 210:20, 211:3, 211:15, 211:19 MS [2] - 3:4, 3:7 multiple [4] - 20:22, 31:10, 163:4, 210:7 must [12] - 10:13, 10:15, 10:17, 12:8, 12:11, 23:24, 24:16, 24:23, 26:23, 30:18, 37:9, 103:20

Ν

name [2] - 161:9, 173:6 named [1] - 172:8 narrow [8] - 14:16, 39:23, 42:17, 42:24, 50:15, 154:16, 155:17 narrowed [8] - 14:20, 22:16, 23:11, 23:13, 40:22, 44:11, 44:12, 150:24 narrower [4] - 40:19, 42:18, 43:11 narrowing [2] - 22:20, 196:7 narrows [1] - 11:23 nature [1] - 167:19 nauseam [1] - 208:13 necessarily [8] - 16:12, 39:3, 39:16, 45:22, 52:21, 100:14, 148:4, 154:14 necessary [8] - 16:2, 106:22, 160:17, 169:20, 199:5, 200:1, 205:1, 207:21 need [52] - 8:20, 10:10, 11:8, 11:10, 20:8, 22:10, 38:8, 39:3, 40:3, 54:5, 57:11, 61:7, 76:24, 77:20, 78:2, 79:1, 80:2, 109:7, 119:10, 122:1, 122:16, 142:20, 145:5, 151:17, 151:23, 160:20, 162:1, 163:12, 164:19, 178:15, 182:21, 184:19, 184:24, 185:1, 185:3, 185:23, 186:9, 186:11, 193:4, 193:19, 195:7, 196:13, 197:20, 198:4, 201:8, 203:7, 204:3, 204:8, 206:3, 206:10, 206:17, 210:12 needs [1] - 22:9 network [1] - 116:24 Networks [1] - 84:15

never [15] - 85:19, 92:15, 96:20, 97:3, 98:12, 102:18, 105:21, 115:8, 147:13, 147:14, 158:18, 158:24, 159:2, 160:10, 161:10

new [8] - 87:16, 92:2, 101:14, 101:16, 105:17, 160:10, 160:17, 168:19

New [2] - 85:5, 212:2

next [18] - 20:2, 20:3, 20:5, 21:16,

119:19, 137:2, 143:7, 143:21, 145:16, 185:19, 205:6 nice [4] - 17:16, 17:17, 17:21, 17:22 NICHOLS [1] - 2:11 Nichols [1] - 3:13 night [1] - 15:1 nil [1] - 97:2 nobody [3] - 156:3, 202:15, 202:17 non [2] - 198:11, 203:13 noncumulative [1] - 168:3 none [3] - 9:8, 58:3, 70:11 noninfringement [39] - 6:17, 7:1, 12:9, 12:10, 12:17, 12:22, 13:4, 15:20, 16:14, 16:20, 18:3, 23:12, 23:19, 24:2, 24:18, 25:1, 25:3, 25:13, 27:15, 28:5, 29:24, 30:7, 30:16, 32:6, 36:1, 36:4, 36:19, 36:21, 37:1, 45:4, 45:21, 46:13, 48:7, 48:11, 48:13, 48:18, 48:22, 49:3, 189:10 nonmoving [2] - 80:7, 90:4 nonvalid [1] - 103:19 Notary [1] - 212:8 notations [1] - 105:21 **note** [2] - 150:19, 205:16 noted [5] - 87:23, 102:7, 103:3, 128:3, 195:18 notes [2] - 62:20, 212:11 **nothing** [17] - 33:5, 35:10, 36:3, 45:7, 46:5, 46:14, 62:21, 62:23, 65:3, 69:4, 69:11, 95:22, 97:9, 102:5, 211:14, 211:15, 211:17 notice [5] - 96:5, 111:21, 172:21, 192:12, 199:19 November [15] - 97:9, 101:17, 103:15, 104:11, 110:16, 110:18, 110:19, 111:19, 113:8, 114:3, 114:22, 115:6, 134:19, 135:4, 188:6 nucleophilic [1] - 179:19 numb [1] - 123:4 number [20] - 10:12, 10:13, 10:16, 11:5, 12:9, 48:14, 48:15, 93:10, 110:6,

0

111:5, 111:9, 127:6, 136:23, 137:13,

152:12, 171:22, 176:16, 195:8

105:11, 115:2, 122:11, 185:9

numerous [2] - 126:7, 172:24

numbers [7] - 98:12, 102:5, 104:17,

o'clock [5] - 131:12, 144:8, 144:15, 164:20, 165:15 oath [2] - 140:18, 140:19 **object** [16] - 28:7, 49:13, 50:13, 56:20, 71:1, 73:2, 106:3, 109:5, 138:19, 158:7, 164:2, 167:14, 187:5, 195:10, 195:11, 195:12 objected [4] - 157:12, 193:12, 193:18,

195:14

Hawkins Reporting Service [137] - 6:11, 6:23, 7:16, 8:3, 8:19,

objecting [2] - 195:15, 203:14 objection [15] - 54:12, 71:19, 121:24, 122:15, 162:19, 164:10, 191:13, 194:18, 194:19, 194:20, 196:17, 196:24, 197:2, 197:4, 197:6 objectionable [1] - 203:13 objections [32] - 4:19, 44:15, 49:11, 55:6, 55:20, 57:5, 115:22, 116:6, 134:10, 156:10, 175:15, 176:23, 177:15, 178:12, 179:8, 179:24, 184:7, 185:24, 189:9, 193:20, 194:4, 194:5, 194:11, 194:12, 194:15, 195:1, 195:12, 196:8, 196:21, 196:23, 197:14, 203:2 objective [1] - 64:24 obscured [1] - 18:24 obscuring [1] - 154:9

obscurity [1] - 19:1 observable [26] - 8:12, 9:1, 9:6, 9:14, 13:18, 18:13, 18:15, 18:19, 19:2, 20:5, 20:9, 20:12, 25:6, 28:21, 31:13, 33:1, 34:18, 34:19, 38:11, 38:18, 39:1, 40:13, 45:10, 46:3, 154:8, 179:13 observation [1] - 128:4 observe [2] - 37:12, 57:14 obstruct [1] - 188:13

obtaining [1] - 168:8 obvious [8] - 31:3, 71:18, 75:17, 96:21, 141:23, 181:4, 181:5 obviously [6] - 30:24, 49:4, 54:21, 130:8, 202:24, 203:11

obviousness [7] - 74:8, 74:12, 88:13, 88:15, 141:22, 150:9, 151:16 occur [2] - 21:6, 21:24

occurred [2] - 128:6, 175:24 occurring [2] - 21:9, 21:11 occurs [1] - 52:21

odd [1] - 173:12 odds [5] - 92:8, 92:11, 136:3, 136:11, 137:5

OF [2] - 1:2, 212:5

offer [15] - 5:18, 5:23, 16:18, 23:18, 24:1, 24:6, 26:6, 28:9, 36:24, 41:3, 59:17, 111:6, 113:11, 195:3, 195:7

offered [10] - 27:15, 36:4, 48:10, 48:12, 70:21, 79:5, 107:6, 180:10, 180:18, 193:15

offering [8] - 24:4, 27:14, 27:20, 27:21, 35:23, 41:6, 69:11, 184:16

offhand [1] - 137:20

office [6] - 71:18, 74:5, 74:8, 74:24, 75:10, 75:16

officers [2] - 199:23, 207:6 often [2] - 170:16, 198:10

old [2] - 105:21, 141:7

once [20] - 25:22, 30:20, 94:12, 112:13, 120:21, 120:24, 186:10, 193:14, 195:5, 196:20, 198:5, 200:5, 200:6, 204:9, 204:22, 205:3, 205:7, 210:8

9:7, 10:2, 10:5, 10:12, 12:9, 13:11, 13:20, 13:22, 14:4, 16:7, 17:1, 17:19, 18:5, 18:7, 19:14, 20:4, 20:13, 21:14, 21:15, 22:8, 22:20, 23:9, 25:8, 25:16, 26:5, 26:11, 27:6, 28:17, 29:10, 29:14, 30:5, 31:20, 35:14, 36:10, 36:22, 37:7, 39:17, 43:7, 44:9, 48:9, 49:20, 50:1, 50:5. 51:3. 53:14. 56:22. 57:16. 57:17. 59:2, 59:12, 60:10, 61:6, 61:13, 64:23, 66:14, 66:15, 68:22, 69:2, 69:5, 70:1, 71:23, 74:3, 75:2, 76:7, 78:22, 79:2, 79:15, 80:3, 81:2, 84:5, 86:2, 88:9, 91:13, 91:18, 95:3, 96:6, 102:19, 105:14, 108:20, 110:23, 112:7, 116:4, 117:11, 119:23, 120:9, 120:13, 120:16, 121:4, 121:5, 122:7, 124:17, 125:13, 127:6, 127:24, 128:17, 130:9, 131:15, 132:9, 134:2, 134:13, 136:24, 138:2, 138:16, 139:1, 139:19, 140:23, 141:24, 155:21, 158:10, 158:11, 161:4, 161:23, 166:21, 168:9, 168:14, 168:22, 172:8, 180:14, 184:4, 184:11, 187:24, 193:24, 196:23, 199:23, 202:20, 204:21, 205:6, 207:4, 209:9 ones [7] - 45:15, 55:6, 77:17, 137:19, 172:7, 180:12, 182:8 open [5] - 5:1, 93:15, 133:6, 134:9, 200:5 opening [3] - 60:18, 128:15, 199:24 openings [1] - 202:24 operation [1] - 193:13 operative [2] - 105:22, 124:20 opine [2] - 28:8, 40:3 opined [2] - 45:3, 114:1 opining [4] - 12:5, 13:4, 14:18, 15:14 opinion [78] - 6:13, 7:18, 8:22, 9:5, 13:12, 13:20, 16:14, 21:4, 24:7, 24:18, 26:22, 33:21, 37:8, 37:9, 37:16, 37:19, 40:20, 41:24, 42:2, 42:6, 43:24, 45:19, 46:2, 47:14, 47:22, 48:3, 51:24, 53:11, 53:12, 55:21, 61:20, 99:5, 99:21, 100:1, 100:19, 101:13, 101:14, 102:3, 102:20, 102:21, 102:22, 103:3, 103:12, 104:5, 104:9, 104:10, 104:11, 104:15, 104:24, 106:4, 106:9, 106:12, 107:18, 108:8, 108:23, 108:24, 109:2, 109:21, 110:12, 110:13, 110:16, 110:19, 111:12, 111:19, 112:3, 113:11, 115:12, 184:16, 186:4, 187:7, 187:10, 187:13, 187:17, 188:9, 188:20, 190:13 opinions [49] - 4:9, 7:1, 8:24, 9:24, 12:22, 13:8, 13:21, 19:13, 26:6, 26:15, 27:6, 34:15, 36:4, 36:9, 36:17, 36:19, 39:22, 40:21, 45:9, 46:24, 47:18, 49:14, 62:3, 65:20, 68:11, 68:15, 69:11, 70:19, 98:22, 99:8, 100:16, 101:3. 101:18. 101:19. 102:5. 102:16. 105:14, 107:14, 110:17, 163:3,

180:10, 181:5, 181:12, 182:2, 185:8,

185:9, 185:16, 187:22, 188:3 opportunity [5] - 102:16, 159:13, 170:7, 187:24, 189:19 oppose [10] - 93:24, 97:17, 97:21, 99:16, 99:22, 100:11, 100:12, 100:20, 100:23, 201:15 opposed [1] - 43:20 option [1] - 79:2 order [46] - 4:1, 4:24, 5:2, 6:6, 6:20, 8:5, 10:22, 10:24, 12:14, 15:23, 23:17, 28:7, 28:21, 30:17, 32:2, 32:17, 38:6, 40:23, 47:12, 48:11, 51:6, 57:11, 76:10, 87:18, 91:24, 108:23, 119:11, 120:3, 138:4, 139:12, 141:11, 144:23, 145:3, 156:14, 186:12, 189:12, 189:15, 191:23, 192:3, 192:9, 193:14, 193:18, 194:3, 196:6, 200:18, 210:12 ordered [1] - 186:11 orderly [1] - 188:13 orders [1] - 150:16 ordinary [7] - 14:4, 35:15, 61:6, 61:13, 68:22, 69:5, 70:1 organization [1] - 172:22 original [5] - 102:13, 105:6, 105:16, 190:22, 191:1 originally [1] - 60:14 otherwise [3] - 44:1, 133:21, 164:15 ought [1] - 73:7 outcome [1] - 75:6 outlined [1] - 143:14 outside [17] - 20:15, 20:16, 50:9, 50:14, 101:9, 102:4, 102:10, 102:21, 105:12, 109:24, 111:10, 113:1, 115:14, 115:19, 149:22, 155:6, 194:16 outsized [1] - 150:22 outstanding [1] - 176:17 outweighs [1] - 173:18 overall [1] - 188:19 overlap [1] - 201:6 overlapping [1] - 183:17 overlaps [1] - 72:6 overlook [1] - 211:13 overnight [1] - 201:21 overreach [1] - 7:4 overrule [1] - 179:23 overruling [1] - 179:7 overview [3] - 98:15, 98:17, 204:1 own [8] - 13:3, 73:21, 117:10, 123:1, $125{:}3,\,126{:}11,\,128{:}7,\,167{:}23$ owner[1] - 96:2

P

p.m [2] - 165:10, 211:22 pace [1] - 50:22 page [11] - 9:10, 13:12, 15:1, 33:23, 84:10, 105:5, 145:2, 185:6, 185:19, 205.8

paid [2] - 91:13, 187:8 paint [2] - 156:20, 156:21 paper [2] - 109:11 paragraph [11] - 62:24, 105:5, 110:19, 111:6, 111:20, 114:3, 115:1, 115:3, 115:17, 128:18, 185:9 paragraphs [5] - 9:4, 12:5, 32:11, 33:2, 70:11 Parallel [1] - 84:15 parameters [1] - 199:19 paraphrasing [1] - 24:12 part [55] - 7:16, 15:19, 16:12, 24:17, 24:24, 25:2, 25:10, 26:24, 27:2, 27:13, 28:4, 28:6, 29:10, 29:12, 29:23, 29:24, 30:6, 30:8, 30:15, 32:6, 32:17, 42:19, 43:5, 45:1, 47:21, 56:19, 56:20, 60:6, 61:9, 63:20, 64:18, 83:10, 84:4, 86:10, 90:6, 94:10, 99:16, 100:19, 106:4, 107:1, 121:12, 127:6, 133:23, 155:23, 159:11, 159:14, 159:16, 178:18, 183:12, 187:1, 187:3, 194:22, 205:22 partes [2] - 83:5, 83:16 particular [23] - 8:24, 10:2, 12:6, 14:21, 20:14, 20:21, 43:14, 46:18, 47:13, 48:1, 49:17, 50:13, 59:5, 67:14, 74:6, 134:18, 141:24, 162:4, 172:7, 173:15, 191:17, 192:3, 194:12 particularly [6] - 9:4, 77:8, 77:14, 143:9, 187:15, 199:10 parties [14] - 6:9, 50:12, 56:2, 87:16, 90:6, 93:9, 95:13, 132:9, 134:3, 134:17, 155:16, 165:24, 189:15, 192:2 parties' [1] - 38:13 partner [1] - 3:14 parts [3] - 84:2, 113:15, 116:24 party [9] - 80:7, 83:8, 84:13, 90:4, 173:13, 194:17, 197:1, 207:8 PASCALE [3] - 2:3, 3:4, 3:7 Pascale [2] - 3:7, 71:9 pass [1] - 82:23 passing [1] - 205:14 paste [1] - 153:12 patent [59] - 4:13, 4:21, 7:19, 26:11, 35:4, 66:10, 71:5, 71:18, 72:3, 72:21, 74:5, 74:7, 74:23, 74:24, 75:10, 75:16, 80:15, 81:24, 83:6, 83:20, 86:13, 86:23, 87:13, 87:15, 88:7, 93:17, 94:13, 96:2, 98:23, 99:6, 99:8, 107:22, 108:9, 114:7, 115:24, 124:18, 131:21, 136:16, 137:10, 137:16, 139:6, 141:23, 142:6, 142:12, 142:16, 145:21, 146:1, 146:19, 168:9, 171:23, 176:15, 181:16, 181:19, 186:9, 189:7, 189:10 Patent [1] - 126:15 patentable [2] - 85:21, 132:3 patents [12] - 64:11, 75:15, 78:19, 82:5, 82:6, 91:12, 93:20, 94:15, 107:17, 109:3, 171:8, 171:24

```
47:10, 53:23, 55:8, 55:15, 55:23,
                                                                                            130:1, 130:18, 132:11, 133:15, 136:1,
patient [12] - 60:14, 61:23, 62:1, 62:11,
 63:19, 67:2, 67:8, 68:14, 68:19, 68:24,
                                              56:15, 57:1, 59:1, 59:15, 59:20, 60:5,
                                                                                            142:16, 143:4, 147:5, 150:4, 162:1,
                                                                                            166:2, 172:1, 172:14, 173:11, 174:3,
 69:8, 185:13
                                              63:18, 64:6, 66:4, 67:5, 70:16, 70:23,
patients [1] - 64:22
                                              116:3, 116:12, 122:3, 122:18, 122:24,
                                                                                            174:13, 177:2, 177:4, 177:6, 184:20,
pedantic [1] - 118:11
                                              124:8, 127:20, 128:12, 129:9, 130:13,
                                                                                            185:23, 192:6, 192:18, 193:16, 195:2,
pending [13] - 54:12, 54:20, 56:16, 57:5,
                                              130:16, 130:22, 145:6, 145:11,
                                                                                            199:13
                                              157:10, 177:11, 177:17, 183:16,
                                                                                          pointed [3] - 45:18, 67:21, 148:24
 71:18, 75:2, 85:2, 85:5, 85:6, 89:17,
                                                                                          pointing [2] - 45:10, 56:8
                                              184:11
 176:22, 177:5, 185:24
                                             pIVOVAR [1] - 30:2
                                                                                          points [9] - 48:18, 50:1, 50:5, 51:19,
Pennypack [5] - 169:23, 171:10,
                                             Pivovar [2] - 3:17, 148:24
                                                                                           88:10, 95:5, 120:6, 168:22, 172:4
 171:16, 173:19, 187:11
                                             place [1] - 140:20
people [4] - 141:7, 165:7, 165:8, 210:14
                                                                                          polarize [1] - 125:6
                                             placed [1] - 62:9
per [7] - 198:5, 200:6, 200:7, 200:18,
                                                                                          polymerization [3] - 125:8, 125:9,
 200:20, 203:7
                                             places [1] - 33:9
                                                                                            125:12
percent [4] - 101:24, 102:4, 113:2,
                                             plain [1] - 84:12
                                                                                          pool [4] - 98:6, 204:6, 204:9, 205:9
 115:13
                                             plaintiff [39] - 5:8, 48:2, 48:9, 49:11,
                                                                                          portion [7] - 127:11, 150:21, 186:17,
                                              50:19, 70:19, 74:24, 76:21, 79:24,
                                                                                            186:24, 187:6, 187:19, 191:19
percentage [4] - 104:17, 104:18,
 104:20, 203:7
                                              85:19, 85:22, 124:11, 127:22, 131:2,
                                                                                          portions [4] - 36:15, 181:8, 199:1, 200:3
                                              134:21, 135:2, 135:13, 138:18, 141:1,
                                                                                          position [30] - 10:13, 12:17, 14:11,
percentages [1] - 203:10
                                              145:14, 158:16, 159:4, 162:12,
                                                                                            20:24, 39:9, 43:13, 51:22, 52:10, 53:1,
percipient [1] - 164:9
                                              162:15, 170:21, 175:6, 175:9, 175:20,
                                                                                            53:9, 53:18, 75:1, 75:7, 75:9, 77:4,
perform [1] - 13:24
                                              176:2, 176:8, 182:4, 187:5, 187:16,
                                                                                            85:19, 95:17, 97:17, 114:12, 114:13,
performed [2] - 33:4, 73:23
                                              190:20, 191:10, 205:15, 206:23,
perhaps [5] - 42:23, 55:5, 56:12, 79:13,
                                                                                            122:4, 137:20, 145:17, 146:16,
                                              209:6, 211:14
                                                                                            155:12, 156:17, 170:9, 180:20, 183:3,
                                             plaintiff's [20] - 4:15, 8:8, 23:15, 46:8,
                                                                                            183:10
period [3] - 141:8, 160:19, 179:21
                                              68:11, 68:15, 97:14, 105:7, 117:10,
                                                                                          positions [10] - 12:10, 13:5, 53:24,
permanent [3] - 77:20, 78:10, 97:3
                                              133:16, 144:24, 146:16, 154:12,
                                                                                           144:19, 147:12, 148:5, 152:9, 181:1,
permit [1] - 170:18
                                              157:12, 174:1, 174:2, 184:17, 186:23,
                                                                                           181:2, 201:20
permitted [4] - 156:18, 158:17, 187:9,
                                              189:4, 209:11
                                                                                          possess [1] - 43:1
 190.4
                                             Plaintiffs [2] - 1:7, 2:8
                                                                                          possibility [6] - 14:20, 75:22, 75:24,
person [5] - 123:9, 138:24, 166:22,
                                             plaintiffs [62] - 3:8, 5:16, 5:23, 7:4, 7:7,
                                                                                           76:15, 94:8, 136:18
 169:15, 198:16
                                              14:10, 22:14, 23:1, 27:11, 32:5, 33:9,
                                                                                          possible [4] - 76:3, 139:2, 142:2, 201:22
personal [2] - 160:16, 168:16
                                              33:21, 49:13, 50:23, 58:21, 72:1,
                                                                                          possibly [2] - 74:13, 200:2
personnel [1] - 140:9
                                              72:19, 73:14, 76:6, 76:12, 77:16,
                                                                                          postponed [1] - 138:13
perspective [4] - 54:14, 54:20, 65:23,
                                              78:18, 79:5, 89:21, 90:1, 99:4, 103:6,
                                                                                          potential [4] - 71:20, 95:5, 204:19,
                                              103:17, 106:14, 107:24, 118:19,
                                                                                           205:10
persuade [1] - 135:2
                                              128:14, 128:23, 136:5, 142:23,
                                                                                          potentially [1] - 14:16
persuaded [9] - 47:13, 47:17, 50:3,
                                              143:10, 145:17, 147:2, 153:20,
                                                                                          practical [1] - 95:12
 50:18, 132:21, 133:15, 134:20,
                                              154:20, 155:24, 156:9, 160:23,
                                                                                          practice [3] - 15:24, 16:11, 35:15
 155:24, 175:4
                                              173:16, 174:5, 175:5, 177:15, 179:1,
                                                                                          practicing [1] - 40:8
pertinent [2] - 41:14, 184:9
                                              184:15, 185:18, 187:21, 188:7,
                                                                                          prayer [1] - 202:18
petition [4] - 79:8, 84:15, 85:12, 96:2
                                              188:15, 188:21, 188:24, 189:17,
                                                                                          preamble [1] - 67:15
petitioner [5] - 83:5, 83:9, 83:14, 85:16,
                                              193:2, 195:23, 198:19, 200:22, 201:5,
                                                                                          precedent [1] - 85:10
 86:2
                                              210:1
                                                                                          precisely [1] - 105:23
petitioners [1] - 142:1
                                             plan [5] - 4:1, 73:19, 159:17, 206:10,
                                                                                          precision [2] - 8:6, 8:7
Pharmaceuticals [1] - 85:4
                                              207:9
                                                                                          preclude [2] - 158:22, 170:22
phase [1] - 60:20
                                             planning [1] - 209:21
                                                                                          precluded [1] - 189:6
phrase [2] - 61:10, 153:11
                                             play [8] - 64:19, 119:18, 181:6, 189:8,
phrased [1] - 24:10
                                                                                          precludes [1] - 85:8
                                              203:6, 203:9, 207:20, 207:21
pick [3] - 35:18, 121:9, 156:20
                                                                                          preclusion [1] - 171:11
                                             player [1] - 112:12
                                                                                          precursor [8] - 52:5, 52:19, 61:10,
picture [1] - 116:4
                                             playing [1] - 196:20
                                                                                           63:12, 69:13, 69:16, 121:5
pictures [2] - 57:2, 123:10
                                             plays [1] - 123:3
                                                                                          precursors [9] - 53:14, 60:24, 61:5,
piece [5] - 46:18, 74:13, 109:10, 109:11,
                                             plus [1] - 154:1
                                                                                            62:5, 63:7, 65:18, 65:19, 69:23,
 170:23
                                             podium [3] - 51:4, 147:8, 165:3
                                                                                            116:14
pink [1] - 154:10
                                             point [61] - 18:12, 20:11, 24:13, 39:7,
                                                                                          predetermined [65] - 6:17, 7:13, 7:23,
PIVOVAR [76] - 2:15, 6:2, 6:5, 14:8,
                                              39:8, 41:2, 45:6, 46:18, 50:2, 50:4,
                                                                                           8:2, 8:11, 8:13, 9:2, 9:6, 9:12, 9:17,
 15:16, 16:1, 16:6, 16:15, 16:21, 17:8,
                                              50:18, 54:16, 58:24, 74:18, 77:19,
                                                                                            10:19, 11:23, 12:12, 13:12, 13:19,
 19:19, 20:1, 21:5, 21:10, 21:14, 22:18,
                                              78:9, 83:3, 87:2, 87:6, 88:10, 96:1,
                                                                                            13:22, 15:4, 17:20, 18:6, 19:10, 19:14,
 23:3, 23:6, 23:21, 24:3, 24:8, 24:19,
                                              105:3, 105:4, 106:21, 109:6, 116:21,
                                                                                            20:4, 20:6, 20:15, 20:17, 21:7, 22:5,
 25:2, 25:14, 25:20, 26:3, 26:7, 26:14,
                                              117:4, 117:5, 117:10, 117:16, 118:19,
                                                                                           22:17, 22:19, 23:8, 25:4, 25:22, 28:22,
 26:17, 27:1, 27:5, 27:17, 27:22, 28:12,
                                        Hawkins Reporting Service 29:13, 30:20, 30:23, 31:16, 33:19,
                                              126:10. 129:12. 129:21. 129:22.
 29:3, 30:10, 31:7, 32:11, 44:5, 44:8,
```

34:1, 34:6, 34:20, 38:10, 38:14, 39:2, 39:23, 40:16, 41:10, 45:15, 46:4, 72:5, 72:7, 73:5, 73:6, 80:24, 81:1, 81:3, 81:12, 81:20, 81:24, 148:22, 177:12, 177:14, 179:13, 179:14, 180:13 predicated [1] - 154:14 preemptory [1] - 205:12 preference [3] - 146:14, 209:24, 210:5 **prejudice** [21] - 76:15, 80:7, 89:6, 89:20, 90:1, 90:4, 90:5, 95:6, 96:23, 97:1, 134:16, 135:8, 160:9, 170:20, 170:21, 171:2, 173:11, 173:13, 173:14, 173:16, 175:1 prejudiced [8] - 77:18, 112:17, 135:9, 135:10, 170:2, 173:17, 187:15, 187:23 prejudicial [4] - 77:13, 156:1, 174:18, 175:5 prejudicing [1] - 135:18 preliminary [3] - 97:7, 202:16, 206:14 preparation [3] - 140:2, 140:13, 152:20 preparations [3] - 134:4, 140:20, 144:7 prepare [2] - 143:13, 149:13 prepared [4] - 48:24, 150:3, 158:10, 169:13 prepares [1] - 77:10 preparing [4] - 152:15, 155:22, 168:10, 169:15 presence [3] - 193:22, 194:16, 205:4 present [33] - 10:5, 10:10, 12:23, 46:23, 48:17, 55:22, 58:21, 73:19, 90:15, 95:13, 99:24, 100:16, 106:19, 136:4, 148:7, 148:13, 148:19, 149:16, 149:20, 149:24, 150:1, 150:6, 151:1, 152:1, 152:13, 154:15, 155:7, 156:4, 158:13, 177:16, 181:11, 186:4, 209:18 presentation [2] - 133:20, 180:2 presented [8] - 9:24, 108:17, 116:8, 140:16, 154:2, 180:20, 184:1, 184:12 presenting [8] - 61:19, 70:2, 133:17, 139:4, 141:13, 150:7, 150:18, 160:15 presents [1] - 132:11 preserve [7] - 139:1, 139:12, 140:15, 141:11, 143:2, 143:4, 143:6 preserved [1] - 103:2 pressing [1] - 141:17 presume [1] - 157:23 presumed [1] - 175:12 **presumptive** [1] - 181:23 pretrial [16] - 3:21, 5:1, 76:10, 87:18, 138:4, 145:3, 150:13, 156:14, 189:12, 189:15, 191:23, 192:3, 193:14, 193:18, 194:3, 196:6 pretty [9] - 3:23, 7:10, 24:13, 36:1, 57:1, 59:7, 107:5, 117:13, 202:12 prevail [3] - 133:18, 134:22, 197:1 prevailed [4] - 79:9, 135:12, 135:15, 135:16 prevails [2] - 85:16, 197:4 previous [1] - 24:4 previously [3] - 49:15, 50:15, 197:3

price [27] - 97:23, 98:11, 99:20, 99:24, 100:1, 100:16, 101:7, 101:20, 103:8, 103:11, 103:24, 104:2, 104:6, 104:22, 105:8, 106:18, 106:21, 110:6, 110:11, 113:16, 114:11, 115:5, 115:8, 115:9, 115:13, 190:14, 191:4 Priceline [1] - 172:21 primarily [1] - 149:19 primary [1] - 100:24 prioritize [1] - 56:22 priority [1] - 72:18 privy [1] - 83:8 problem [8] - 79:8, 100:24, 105:13, 105:23, 119:20, 191:7, 209:4, 210:9 problematic [2] - 105:24, 117:22 problems [1] - 166:14 procedure [2] - 49:4, 143:16 proceed [1] - 147:4 proceeding [4] - 50:3, 83:11, 94:8, 153:14 proceedings [6] - 4:12, 71:4, 77:10, 89:12, 131:20, 135:16 proceeds [1] - 116:19 process [6] - 76:11, 116:21, 123:23, 196:5, 202:15, 208:17 produce [1] - 197:20 produced [3] - 164:14, 172:10, 174:9 product [10] - 17:2, 18:2, 25:12, 26:1, 91:16, 107:16, 123:6, 125:3, 125:10, 126:24 production [2] - 172:18, 172:22 products [12] - 31:15, 33:13, 45:11, 91:17, 107:19, 117:12, 118:24, 120:11, 121:19, 125:6, 126:5, 180:5 profit [1] - 115:7 profits [24] - 101:5, 101:7, 101:18, 101:22. 102:1. 102:9. 102:22. 103:4. 104:19. 110:21. 111:1. 111:3. 112:1. 112:2, 112:5, 112:11, 112:16, 114:14, 115:4, 115:5, 115:10, 115:12, 191:2, 191:3 progress [1] - 188:13 promise [1] - 93:24 **promote** [1] - 89:19 proper [5] - 132:12, 139:9, 148:11, 175:17, 200:10 properly [4] - 97:24, 149:22, 159:5, propose [7] - 16:17, 49:1, 60:4, 122:23, 130:14, 160:13, 191:12 proposed [8] - 50:1, 76:21, 130:16, 151:8, 151:9, 159:7, 192:6, 192:7 proposing [2] - 48:21, 50:5 proposition [1] - 141:21 prosecution [4] - 81:23, 82:4, 82:7, 82:19 prove [3] - 10:23, 10:24, 80:20 provide [20] - 8:5, 8:7, 9:5, 13:2, 35:7, 37:16, 37:18, 41:24, 42:2, 42:5, 61:12,

109:20, 151:5, 151:13, 208:7 provided [10] - 4:4, 33:12, 62:17, 91:20, 102:5, 107:14, 107:17, 112:4, 190:6, 192:12 provides [2] - 35:13, 37:9 providing [3] - 37:8, 163:9, 196:15 provision [1] - 74:16 **PTAB** [17] - 76:23, 79:18, 85:21, 86:14, 87:5, 88:2, 88:10, 91:2, 96:3, 96:12, 132:2, 132:24, 133:18, 134:6, 134:24, 136:11, 136:17 PTO [1] - 86:24 Public [1] - 212:9 **public** [1] - 135:5 pull [1] - 153:19 pulling [1] - 127:6 pure [1] - 92:6 purported [1] - 36:5 purpose [3] - 75:14, 86:1, 169:10 purposes [10] - 35:1, 36:19, 36:20, 41:15, 43:4, 47:20, 54:23, 70:2, 99:13, 160:3 pursuant [1] - 139:3 pursue [3] - 7:5, 105:8, 155:12 push [1] - 144:3 put [38] - 7:11, 15:11, 16:22, 27:24, 55:16, 55:17, 76:18, 91:9, 92:14, 95:19, 99:12, 101:14, 101:16, 104:4, 105:17, 107:1, 111:20, 112:18, 124:1, 124:3, 129:18, 132:17, 133:22, 158:2, 161:3, 161:24, 162:10, 164:16, 165:19, 168:14, 168:15, 169:10, 170:11, 172:21, 202:6, 204:5, 207:12, 207:13 puts [3] - 17:20, 112:21, 163:24 putting [7] - 3:2, 17:15, 64:10, 87:2, 88:9, 172:13, 197:15 Q 49:14, 76:14, 129:5, 144:10, 164:5, 167:19, 176:7, 176:10, 190:8, 190:10,

qualified [1] - 175:12
questions [26] - 4:7, 5:8, 5:14, 47:2,
49:14, 76:14, 129:5, 144:10, 164:5,
167:19, 176:7, 176:10, 190:8, 190:10,
195:21, 198:18, 200:12, 200:14,
202:8, 203:20, 204:12, 204:13,
204:16, 204:21, 205:23, 206:19
quickly [2] - 55:16, 161:6
quite [8] - 8:10, 13:6, 69:5, 71:12, 76:15,
78:4, 170:22, 201:1
quotation [1] - 15:7
quotations [1] - 15:6
quote [2] - 62:14, 70:12

R

 provide [20] - 8:5, 8:7, 9:5, 13:2, 35:7,

 37:16, 37:18, 41:24, 42:2, 42:5, 61:12,
 R&R [17] - 4:19, 30:17, 32:2, 55:20,

 56:13, 71:13, 71:19, 73:16, 77:9,

 Hawkins Reporting Service 7:15, 115:23, 132:4, 133:2, 133:11,

178:12, 186:8, 189:9 114:10, 114:17, 115:5, 115:9, 115:13, related [27] - 4:20, 15:20, 19:13, 26:12, R&Rs [1] - 130:9 187:7, 187:22, 190:12, 208:7, 209:3 56:9, 62:8, 82:5, 82:6, 82:7, 94:15, raise [14] - 4:2, 4:3, 49:11, 84:8, 84:14, reasonably [7] - 83:15, 84:8, 84:13, 98:22, 99:5, 99:8, 99:9, 116:10, 134:8, 88:11, 88:13, 88:14, 194:5, 194:10, 85:9, 167:18, 169:17, 194:8 135:5, 135:23, 137:22, 138:8, 176:14, 194:13, 204:14, 206:23, 209:6 rebuttal [10] - 62:18, 67:24, 94:23, 177:12, 180:13, 180:15, 181:15, raised [29] - 5:17, 32:16, 34:7, 83:14, 148:4, 181:5, 181:9, 181:10, 181:16, 181:19, 186:8 relates [7] - 7:13, 7:22, 62:22, 70:11, 83:15, 84:9, 84:17, 84:19, 84:21, 181:21 111:9, 138:4, 207:4 84:23, 85:2, 85:11, 86:8, 86:16, 88:13, rebutting [1] - 181:2 97:23, 138:4, 139:7, 142:9, 144:9, receive [4] - 102:9, 110:21, 112:1, relative [2] - 31:8, 38:16 173:23, 178:4, 182:4, 182:5, 182:8, 112:15 relatively [1] - 66:5 208:16 received [2] - 152:4, 193:13 relaying [1] - 162:7 raises [1] - 132:7 recently [3] - 38:12, 55:5, 113:9 relevant [6] - 26:16, 26:17, 108:1, randomly [1] - 205:9 recess [5] - 130:24, 131:6, 131:7, 174:14, 189:18, 189:24 range [35] - 11:24, 19:15, 20:6, 20:14, 164:21, 211:21 relied [11] - 53:6, 105:11, 107:7, 108:8, 20:21, 21:22, 22:5, 22:9, 22:17, 22:19, recessed [1] - 211:22 108:22, 109:6, 113:15, 116:7, 126:14, 22:22, 23:10, 23:11, 23:13, 24:20, 128:14, 190:5 recognize [4] - 134:1, 134:16, 136:14, 25:5, 25:8, 25:15, 28:23, 29:14, 31:17, relief [8] - 8:7, 8:9, 34:14, 98:6, 135:3, 176:4 31:19, 31:22, 41:2, 41:7, 41:9, 44:18, 145:10, 155:15, 156:2 recognized [1] - 117:21 44:21, 44:22, 45:16, 46:21, 46:22 relies [2] - 15:3, 37:20 recommendation [7] - 80:16, 130:11, ranges [1] - 14:17 relieves [1] - 138:11 176:24, 178:13, 179:8, 180:1, 189:13 ranging [1] - 125:8 recommended [1] - 55:11 relitigating [1] - 75:8 rapid [1] - 125:12 recommending [1] - 132:5 rely [9] - 33:23, 106:9, 108:11, 111:4, rate [2] - 112:22, 112:24 reconciled [1] - 124:13 154:8, 169:17, 172:2, 180:11, 197:18 reach [4] - 56:13, 108:23, 132:19, relying [5] - 13:7, 66:22, 99:5, 128:1, reconsider [2] - 100:9, 106:22 183:20 187:21 reconsideration [14] - 4:15, 96:3, 97:14, reached [4] - 30:21, 37:12, 38:10, 41:10 99:17, 100:20, 100:24, 103:7, 106:2, remain [1] - 133:9 react [4] - 116:15, 119:7, 119:8, 119:16 107:2, 107:10, 186:23, 189:1, 189:22, remainder [2] - 181:18, 198:7 reacted [1] - 119:15 191:18 remaining [4] - 144:20, 202:19, 204:8, reacting [1] - 125:17 record [10] - 3:3, 76:4, 95:17, 95:23, 206:11 reaction [5] - 116:16, 116:18, 125:19, 99:13, 172:10, 195:7, 195:9, 200:9, remains [2] - 61:5, 72:15 125:21 212.9 remanned [1] - 96:18 reactive [2] - 52:5, 52:19 records [1] - 195:18 remarks [1] - 211:5 reacts [1] - 117:6 recover [1] - 189:1 remember [3] - 120:17, 177:10, 191:1 recross [1] - 198:3 read [8] - 10:3, 28:17, 113:4, 192:11, remove [1] - 205:17 192:15, 202:16, 204:11, 204:16 recross-examination [1] - 198:3 removed [1] - 157:23 reading [3] - 24:14, 28:3, 204:15 red [1] - 35:3 removing [1] - 133:20 ready [5] - 59:24, 123:7, 131:18, 186:5, redirect [1] - 198:2 repeated [1] - 36:16 205:20 redo [4] - 67:16, 87:17, 87:18 replaced [2] - 101:17, 102:2 reaffirm [1] - 102:16 reduce [1] - 75:24 reply [1] - 185:21 real [4] - 18:11, 83:8, 97:22, 105:13 reduced [1] - 18:23 report [58] - 9:3, 13:10, 13:20, 15:7, reality [1] - 134:5 **refer** [4] - 109:10, 169:18, 173:1, 184:18 28:18, 29:1, 36:16, 37:14, 40:21, really [26] - 6:6, 6:14, 17:3, 30:16, 38:4, reference [15] - 67:1, 74:5, 74:14, 74:15, 60:19, 62:18, 62:19, 80:16, 99:2, 42:19, 43:1, 45:8, 55:16, 64:11, 66:13, 78:13, 84:6, 84:7, 112:19, 129:13, 99:14, 100:3, 101:4, 101:16, 101:17, 73:4, 80:14, 87:19, 95:4, 96:17, 139:5, 139:10, 141:18, 142:1, 142:3 102:13, 102:14, 103:14, 103:15, 118:13, 121:20, 126:19, 150:1, referenced [5] - 58:8, 75:21, 85:10, 104:15, 105:6, 105:9, 105:16, 105:18, 158:15, 164:11, 173:8, 173:16, 175:4, 114:24, 174:10 105:20, 105:21, 107:12, 111:17, 182:15 references [7] - 74:12, 83:17, 84:5, 112:9, 112:10, 112:19, 113:14, reargued [1] - 122:5 113:17, 113:20, 114:3, 114:22, 115:7, 84:13, 85:8, 85:11, 174:7 rearguing [1] - 119:9 128:14, 152:11, 153:13, 154:2, 165:2, regard [7] - 91:5, 109:21, 109:24, reason [11] - 54:3, 66:14, 81:16, 88:5, 176:23, 181:9, 181:10, 181:16, 142:17, 150:17, 171:16, 171:22 101:20, 106:7, 137:8, 139:20, 143:8, 183:11, 184:7, 187:18, 187:19, 188:6, regarding [4] - 4:19, 38:14, 115:23, 153:9, 189:17 189:13, 190:23, 191:1 143:12 reasonable [47] - 38:15, 91:19, 98:10, **REPORTER** [1] - 212:5 regardless [3] - 88:1, 119:21, 137:7 100:22, 101:8, 101:19, 102:2, 102:3, reporter [3] - 140:4, 140:8, 165:11 regards [1] - 85:1 102:6, 102:14, 102:20, 103:5, 103:9, Reporter [2] - 212:8 Registered [1] - 212:7 103:12, 103:21, 103:23, 104:5, 104:9, reports [28] - 10:1, 59:20, 62:7, 62:19, reiterate [1] - 88:8 104:14, 104:22, 109:22, 109:23, 67:24, 68:2, 68:21, 98:13, 101:2, rejected [2] - 65:22, 130:15 109:24, 110:2, 110:7, 110:12, 110:17, 108:21, 108:22, 145:2, 147:21, rejection [1] - 7:17 110:22, 111:4, 111:13, 111:22, 112:6, 149:11, 149:15, 151:14, 156:6, 163:8, relate [6] - 55:6, 62:3, 138:7, 177:9, Hawkins Reporting Service 164:13, 173:2, 174:10, 181:9, 181:21, 112:7, 112:21, 112:22, 113:20, 114:6

186:16, 186:17, 186:20, 197:12, 197.17 representation [3] - 36:2, 36:8, 36:14 request [13] - 34:3, 100:20, 130:23, 144:24, 178:2, 189:5, 190:14, 191:5, 191:6, 198:24, 199:15, 201:15, 201:16 requested [3] - 8:8, 142:24, 196:22 requests [1] - 202:6 require [8] - 9:22, 19:5, 30:22, 39:8, 42:12, 45:22, 156:24, 193:21 required [15] - 8:15, 11:17, 12:14, 12:16, 15:23, 16:2, 27:3, 27:4, 29:4, 35:3, 42:11, 54:15, 63:6, 67:20, 104:7 requirement [17] - 10:5, 14:2, 15:18, 21:20, 24:15, 26:13, 29:20, 32:24, 39:4, 39:5, 39:13, 54:4, 63:22, 63:24, 66:19, 67:14, 117:24 requirements [4] - 12:6, 32:18, 35:24, 39:23 requires [7] - 15:5, 52:4, 52:5, 66:14, 66:15, 67:18, 125:22 requiring [6] - 10:22, 14:22, 23:16, 23:23, 28:18, 63:21 reschedule [1] - 166:5 rescheduling [1] - 71:9 reserve [2] - 70:24, 203:16 reserved [3] - 91:6, 136:20, 195:14 reserving [2] - 36:24, 48:16 residual [2] - 102:7, 115:18 resistant [6] - 107:13, 107:15, 107:18, 107:20, 108:7, 108:24 **resolution** [1] - 6:10 resolve [8] - 56:1, 144:23, 145:5, 160:8, 176:19, 183:19, 196:9, 210:12 resolved [12] - 54:11, 54:21, 56:17, 59:6, 64:18, 65:11, 93:12, 139:22, 177:2, 194:6, 194:24 resolving [2] - 38:13, 192:23 resources [1] - 143:18 respect [106] - 4:12, 7:17, 12:6, 26:1, 28:9, 30:17, 34:7, 34:14, 35:10, 36:3, 36:4, 36:17, 36:18, 37:16, 37:19, 38:12, 41:6, 45:9, 47:8, 47:23, 48:6, 48:14, 49:2, 49:23, 50:5, 51:22, 52:11, 53:12, 56:2, 57:6, 59:2, 60:10, 61:9, 65:5, 69:1, 69:12, 70:8, 71:4, 72:14, 72:17, 72:19, 73:21, 76:3, 88:6, 98:4, 98:6, 99:20, 100:18, 106:20, 108:7, 108:8, 108:24, 113:11, 131:20, 133:9, 134:7, 135:18, 135:21, 137:22, 145:19, 147:6, 147:12, 148:3, 148:20, 150:8, 151:7, 151:11, 151:15, 151:24, 152:6, 152:10, 152:21, 153:5, 153:22, 155:2, 155:4, 155:12, 168:23, 176:22, 177:5, 178:11, 179:10, 179:11, 180:3, 180:7, 180:8, 180:10, 180:17, 180:18, 180:21, 181:1, 181:8, 181:11, 181:17, 182:11, 183:7, 183:13, 183:20, 183:21, 184:15, 187:6, 189:2, 189:3, 190:7, 192:10, 192:22

respectfully [3] - 45:2, 147:19, 179:6 respective [1] - 71:10 respects [2] - 97:21, 105:17 respond [16] - 37:3, 45:13, 68:9, 107:7, 107:8, 114:19, 138:19, 149:14, 153:17, 160:20, 160:23, 163:14, 163:15, 168:20, 183:7, 185:18 response [14] - 45:20, 46:1, 46:2, 53:22, 79:5, 97:6, 106:14, 108:3, 154:13, 158:19, 159:2, 189:4, 189:18, 204:15 responsive [3] - 18:4, 46:13, 46:21 rest [4] - 46:19, 75:16, 192:5, 195:16 result [3] - 68:18, 102:2, 174:15 resulting [1] - 68:13 results [2] - 83:6, 112:22 retains [1] - 49:16 reteaching [1] - 63:2 retry [1] - 77:1 return [1] - 90:21 returns [1] - 76:19 revenues [1] - 113:1 reversal [2] - 77:11, 96:17 reversed [2] - 87:13, 87:21 reverses [1] - 136:17 review [6] - 71:19, 83:5, 83:16, 183:11, 186:8, 206:10 reviewed [3] - 107:16, 190:5 reviewing [1] - 5:1 revised [1] - 206:8 revisit [1] - 206:7 Rhee [7] - 74:4, 74:15, 88:15, 181:3, 181:4, 181:5 rights [2] - 168:8, 195:15 ripe [1] - 145:4 risk [7] - 90:11, 90:18, 92:2, 135:22, 136:13, 136:14 Rivot [1] - 185:10 RMR [1] - 212:20 Robert [1] - 3:9 **ROBERT** [1] - 2:6 room [1] - 204:18 root [1] - 191:7 ROTH [1] - 2:7 Roth [1] - 3:10 roughly [1] - 199:20 round [2] - 68:2, 68:3 route [2] - 86:3, 86:6 royalties [15] - 91:13, 91:14, 91:15, 100:22, 102:3, 102:6, 102:8, 104:9, 111:13, 111:22, 114:23, 115:2, 115:5, 115:16, 115:19 royalty [39] - 91:19, 98:10, 101:8, 101:19, 102:2, 102:14, 102:20, 103:5, 103:9, 103:12, 103:21, 103:23, 104:5, 104:15, 104:22, 105:10, 109:22, 109:23, 109:24, 110:2, 110:7, 110:12, 110:17, 110:22, 111:4, 112:6, 112:7,

115:13, 187:8, 187:22, 190:12 Rule [6] - 158:18, 158:24, 159:1, 170:11, 170:12, 174:2 rule [19] - 131:18, 139:3, 161:18, 169:18, 177:16, 177:23, 178:6, 178:7, 178:16, 184:6, 186:5, 186:6, 186:7, 186:12, 186:13, 189:8, 191:8, 196:22, 207:16 ruled [6] - 110:8, 134:9, 177:13, 182:8, 195:11 ruling [16] - 49:19, 49:24, 96:12, 100:13, 130:10, 131:14, 133:10, 137:12, 138:11, 157:1, 158:1, 178:19, 182:10, 186:7, 186:24, 197:9 rulings [7] - 4:16, 8:10, 131:16, 147:5, 192:18, 206:5, 206:6 run [3] - 5:3, 6:24, 67:12 running [3] - 196:10, 196:14, 196:18 runs [1] - 150:6 rushed [1] - 167:3

S

safe [1] - 85:7 sake [1] - 100:15 sale [1] - 163:22 **SALES** [1] - 1:5 sales [32] - 101:6, 101:18, 101:23, 101:24, 102:1, 102:4, 102:8, 102:10, 103:11, 104:17, 104:18, 104:19, 104:21, 105:9, 105:12, 110:20, 111:3, 111:9, 112:8, 112:11, 112:12, 112:13, 112:15, 112:22, 114:4, 114:5, 114:14, 114:16, 115:7, 115:12, 115:19, 187:8 satisfied [1] - 38:19 Saturday [2] - 185:5, 185:21 save [4] - 87:19, 94:3, 94:4, 155:21 saw [6] - 4:24, 31:5, 31:6, 46:10, 122:6, 123:10 Sawhney [1] - 209:16 scales [1] - 71:22 schedule [3] - 78:2, 204:5, 209:21 scheduled [5] - 89:16, 139:22, 166:7, 166:10, 166:12 scheduling [1] - 160:18 scientific [1] - 56:4 scientifically [1] - 119:13 scope [30] - 14:13, 14:18, 14:23, 15:17, 16:9, 27:2, 27:7, 29:19, 34:24, 35:1, 35:9, 42:1, 42:3, 42:7, 42:12, 42:17, 42:24, 43:3, 43:5, 44:17, 49:15, 50:9, 50:14, 148:11, 149:23, 178:21, 186:3, 197:3, 210:3 scopes [1] - 40:8 score [1] - 156:2 scratching [1] - 175:20 seal [2] - 17:24, 212:15 sealed [1] - 200:4

searched [1] - 174:9

Hawkins Reporting Service

112:21, 112:23, 112:24, 113:20,

114:6, 114:10, 114:17, 115:10,

seat [2] - 47:9, 205:10 singular [2] - 25:14, 29:14 sever[10] - 4:11, 71:3, 73:1, 76:18, 96:19, 131:19, 132:21, 134:13, 158:1, seated [2] - 3:2, 204:10 sit [1] - 118:12 second [24] - 17:17, 27:10, 28:1, 28:10, 182:14 site [2] - 123:11, 125:7 28:13, 28:17, 29:12, 35:9, 45:6, 54:4, several [4] - 18:17, 64:1, 163:6, 171:8 sitting [1] - 140:4 severed [5] - 77:18, 145:22, 176:16, 60:7, 69:20, 70:17, 78:18, 82:13, situation [7] - 71:15, 85:23, 96:15, 180:8, 180:22 84:10, 90:6, 92:2, 94:4, 94:9, 117:11, 131:24, 132:8, 156:1, 178:22 125:13, 128:17, 136:10 severing [2] - 71:22, 142:18 six [9] - 77:23, 143:23, 165:19, 165:23, secondary [2] - 68:2 **shade** [4] - 21:3, 21:21, 22:7, 39:17 166:5, 166:16, 166:21, 201:5, 205:17 secondly [1] - 159:4 shades [2] - 21:6, 21:12 sixteen [1] - 202:1 **seconds** [17] - 52:8, 53:3, 54:3, 57:13, share [8] - 101:6, 101:11, 104:16, **skill** [9] - 14:4, 35:15, 57:16, 57:17, 72:10, 74:1, 116:9, 117:12, 122:2, 61:6, 61:13, 68:22, 69:6, 70:2 179:15, 179:16, 179:17, 179:18, 122:17, 123:22, 124:21, 125:4, slapped [1] - 140:12 179:20 128:20, 128:22, 129:2, 183:22 **Shaw** [3] - 140:5, 141:2, 165:17 slide [14] - 17:1, 20:2, 20:3, 20:5, 21:16, section [3] - 7:18, 86:1 **sheet** [6] - 76:21, 92:15, 93:15, 93:16, 21:17, 23:7, 24:4, 84:24, 119:19, Section [4] - 83:7, 83:10, 83:12, 84:12 95:11. 136:8 120:22, 123:2, 161:4 sections [1] - 153:13 shell [1] - 102:11 slides [5] - 19:21, 55:16, 82:23, 160:24, security [1] - 199:23 shift [1] - 203:16 191:11 see [58] - 5:4, 13:8, 15:2, 17:11, 17:13, **shoehorn** [1] - 191:6 slightly [1] - 157:20 17:22, 18:10, 18:12, 20:23, 21:23, **shooting** [1] - 154:12 slowly [1] - 9:11 25:8, 29:17, 31:4, 31:9, 33:20, 36:15, short [6] - 6:1, 17:7, 96:15, 121:2, small [2] - 6:23, 16:12 40:7, 40:14, 44:15, 44:24, 45:24, 49:4, 130:24, 131:5 soft [1] - 118:15 57:3, 57:18, 58:9, 58:15, 59:24, 76:11, Shorthand [1] - 212:8 solely [1] - 138:7 84:11, 99:19, 107:8, 111:19, 112:20, shot [1] - 50:20 **solid** [20] - 53:5, 56:8, 57:18, 118:1, 115:15, 117:3, 118:1, 118:2, 119:3, 118:3, 118:16, 119:17, 120:5, 121:8, **show** [17] - 23:17, 25:17, 33:14, 59:4, 121:3, 121:8, 123:3, 123:9, 123:18, 80:12, 115:18, 116:13, 120:9, 121:14, 121:12, 124:23, 125:4, 125:15, 126:12, 127:9, 128:15, 147:17, 125:3, 149:16, 152:17, 164:16, 125:24, 126:16, 126:21, 127:9, 151:23, 161:5, 164:20, 179:7, 186:10, 191:11, 193:22, 195:5, 196:14 127:15, 129:10, 129:13 188:14, 191:24, 205:4, 210:23 showing [1] - 196:12 solidification [1] - 129:8 seeing [1] - 38:6 someone [6] - 109:10, 161:10, 174:13, **shown** [3] - 115:9, 115:10, 193:14 seek [2] - 49:6, 191:8 202:12, 202:23, 209:24 shows [4] - 17:15, 105:24, 117:13, seeking [7] - 49:14, 51:17, 98:6, 100:5, 125:10 sometime [1] - 210:22 100:9, 188:21, 188:24 sick [1] - 143:22 somewhat [1] - 150:17 seem [5] - 48:20, 68:5, 92:12, 106:7, side [24] - 6:12, 59:4, 95:18, 156:6, somewhere [2] - 22:4, 42:6 136:3 165:20, 170:7, 170:18, 180:12, soon [2] - 134:18, 210:11 **segmented** [1] - 18:23 192:11, 192:13, 195:9, 196:14, sorry [7] - 11:20, 24:9, 51:5, 90:16, segregate [1] - 200:2 196:17, 197:19, 200:18, 200:20, 173:5, 180:9, 187:16 selected [1] - 161:23 200:21, 203:8, 203:12, 203:18, sort [9] - 32:9, 76:13, 77:2, 95:17, selection [3] - 202:15, 204:1, 204:3 204:18, 204:24, 205:4, 205:11 155:7, 167:3, 172:5, 180:2, 181:21 self [2] - 95:4, 125:12 side's [1] - 194:20 sorted [1] - 78:5 side-bar [1] - 204:18 send [1] - 202:5 **sought** [1] - 8:9 sense [4] - 52:12, 64:24, 181:23, 198:15 sides [1] - 96:7 sound [1] - 190:17 sent [1] - 87:13 sides' [1] - 197:7 sounded [1] - 168:19 separate [7] - 23:5, 38:1, 51:24, 57:10, significant [1] - 90:7 sounds [2] - 175:10, 197:13 75:15, 78:3, 95:19 significantly [3] - 72:6, 135:24, 150:24 source [1] - 163:2 separately [1] - 95:10 silent [1] - 205:14 **space** [3] - 185:6, 185:20, 185:22 serious [2] - 140:21 similar [1] - 82:8 speaking [1] - 194:17 seriously [1] - 164:3 similarly [1] - 133:1 **special** [2] - 75:23, 76:13 serve [1] - 211:11 simple [3] - 61:22, 97:15, 158:15 species [8] - 43:8, 43:10, 43:15, 43:16, set [22] - 4:7, 33:12, 55:5, 56:9, 65:12, **simplest** [1] - 158:12 43:17, 52:6, 52:20 78:22, 80:6, 112:9, 113:13, 118:15, simplification [3] - 71:24, 132:20, specific [45] - 6:8, 8:16, 10:14, 10:15, 118:16, 118:17, 119:21, 120:6, 138:6, 135:21 10:16, 11:6, 11:7, 11:9, 12:8, 12:11, 144:5, 149:8, 165:8, 165:12, 166:15, simplified [1] - 88:22 21:11, 23:23, 23:24, 24:15, 25:7, 196:6, 212:14 simplify [8] - 72:24, 73:13, 80:4, 80:9, 26:22, 28:14, 28:19, 28:20, 36:11, sets [1] - 72:16 80:12, 80:14, 132:22, 133:24 36:12, 37:11, 37:12, 39:14, 39:17, setting [2] - 43:8, 123:12 **simplifying** [1] - 133:19 41:8, 49:14, 69:3, 98:21, 149:8, settling [1] - 80:23 simply [3] - 47:18, 62:14, 177:10 154:16, 156:21, 161:15, 163:2, seven [5] - 13:12, 15:1, 78:18, 205:20, 207:18, 208:21 simultaneously [1] - 53:14 205:21 specifically [10] - 34:23, 52:23, 74:4, single [14] - 11:24, 22:17, 22:21, 23:13, seventeen [1] - 202:1 92:20, 102:7, 148:11, 150:10, 171:20, 29:15, 34:5, 41:2, 44:13, 46:16, 185:6, seventies [1] - 165:17 Hawkins Reporting Service 88:11, 208:17

still [40] - 17:21, 19:24, 54:20, 55:20,

56:16, 57:24, 61:5, 73:19, 80:22, 93:9,

specification [7] - 13:16, 14:3, 29:8, 30:12, 65:1, 82:3, 82:4 specifications [1] - 82:20 specificity [1] - 155:20 specifics [1] - 47:23 specify [1] - 126:6 speculation [5] - 87:9, 87:20, 90:24, 92:6, 92:8 speculative [2] - 136:3, 209:21 spelled [1] - 53:24 spinning [3] - 120:23, 121:4, 122:7 split [2] - 194:23, 203:9 spray [3] - 17:23, 78:20, 123:15 sprayed [1] - 125:7 sprayer [1] - 17:12 **spraying** [2] - 123:9, 123:11 sprays [1] - 17:14 **squirt** [4] - 120:15, 120:24, 121:5, 121:6 staff [1] - 204:19 stage [3] - 69:20, 89:12, 119:16 **stand** [5] - 36:17, 49:13, 194:9, 194:14, 204:14 standard [3] - 28:19, 64:24, 128:20 standards [3] - 87:23, 88:3, 88:4 standing [2] - 68:14, 68:20 standpoint [2] - 29:20, 29:21 **STARGATT** [1] - 2:3 STARK [1] - 1:18 start [13] - 3:2, 5:14, 5:16, 40:6, 40:8, 54:5, 54:16, 116:20, 125:5, 144:23, 165:15, 198:14, 206:7 starting [2] - 39:7, 54:11 starts [3] - 54:17, 120:16, 196:20 state [3] - 71:3, 90:20, 125:11 State [1] - 212:1 statements [3] - 162:11, 198:10, 198:12 **STATES** [1] - 1:2 States [13] - 1:19, 98:1, 100:2, 100:23, 101:24, 102:6, 103:10, 104:6, 110:1, 111:10, 111:13, 187:8, 190:13 **statistics** [1] - 92:9 **status** [5] - 75:22, 79:7, 80:5, 80:10, 134:1 statute [4] - 75:5, 86:8, 104:7, 114:7 stay [17] - 4:12, 51:13, 73:1, 76:19, 77:14, 80:4, 82:11, 85:23, 89:10, 89:14, 89:17, 90:9, 90:13, 96:20, 131:19, 134:12, 141:8 stayed [6] - 77:19, 80:3, 137:24, 176:16, 180:8, 180:22 staying [4] - 71:22, 80:8, 90:2, 142:18 stays [1] - 186:2 steering [1] - 35:5 stenographic [1] - 212:10 step [1] - 73:23 **STEPHEN** [1] - 2:15 Stephen [1] - 3:18 Steve [1] - 97:20 stick [1] - 123:13

99:10, 99:15, 105:22, 110:10, 110:16, 111:12, 113:5, 113:15, 114:15, 117:1, 131:10, 133:5, 134:8, 137:15, 144:17, 145:4, 147:6, 156:16, 172:12, 174:11, 175:20. 176:5. 178:7. 180:12. 188:9. 189:7, 189:18, 189:24, 190:16, 201:2 stop [6] - 22:3, 22:4, 29:17, 54:6, 54:13, 59.23 stopped [1] - 122:7 stops [3] - 121:1, 121:6, 121:7 store [1] - 156:21 straight [1] - 65:13 **straighten** [1] - 183:2 **straightforward** [2] - 59:8, 66:6 strategy [4] - 164:6, 170:5, 170:6, 174:22 Street [1] - 1:15 stretch [1] - 117:13 stricken [14] - 33:10, 37:15, 40:1, 47:16, 62:7, 62:12, 62:13, 70:8, 105:16, 113:16, 113:21, 113:22, 181:22, 187:19 stricter [1] - 113:22 strictly [2] - 27:3, 156:19 strike [9] - 33:21, 33:22, 36:3, 37:14, 46:12, 110:6, 173:24, 188:19, 205:5 strikes [3] - 74:15, 205:12, 205:13 striking [2] - 191:18, 205:16 strongly [1] - 89:13 struck [4] - 101:13, 102:23, 173:12, 205:18 structural [3] - 62:2, 62:13, 69:9 struggling [1] - 172:12 stuff [5] - 54:22, 62:8, 63:13, 82:15, 87:12 subject [7] - 102:1, 103:11, 104:21, 108:2, 157:14, 192:18, 192:20 **submission** [5] - 5:15, 15:1, 32:12, 70:13, 149:7 submissions [5] - 58:15, 76:11, 150:13, 186:10, 211:6 submit [2] - 110:9, 206:4 submitted [5] - 44:14, 101:2, 189:12, 189:15, 206:15 subpoenas [1] - 209:13 subsequent [1] - 105:9 **subsequently** [1] - 114:15 subset [3] - 22:7, 149:16, 152:17 **substance** [1] - 63:9 substantial [4] - 97:10, 138:22, 140:2, 140:20 substrate [2] - 53:4, 179:22 successful [3] - 74:11, 84:4, 88:19 successfully [1] - 74:23 sufficient [4] - 128:5, 128:9, 129:7, suggest [2] - 184:6, 195:17

suggestion [1] - 144:1 suit [2] - 91:12, 171:24 suitable [13] - 60:13, 62:1, 62:9, 62:10, 63:19, 67:1, 67:8, 68:13, 68:17, 68:19, 68:23, 69:7, 185:12 **sulfate** [7] - 60:6, 62:8, 63:3, 66:17, 68:12, 68:16, 70:9 sulphate [4] - 63:8, 66:3, 66:4, 69:12 **summary** [17] - 4:20, 38:13, 45:20, 55:7, 57:6, 57:21, 58:6, 68:3, 80:17, 115:23, 124:14, 127:2, 130:11, 132:5, 134:7, 179:9, 189:9 supercede [1] - 114:1 superceded [1] - 110:1 superseded [1] - 105:7 superseding [1] - 104:12 supplement [1] - 170:12 supplemental [5] - 105:20, 110:10, 113:24, 114:24, 145:1 supplemented [1] - 158:24 support [4] - 75:6, 77:19, 95:17, 116:8 supported [1] - 91:11 supports [1] - 141:14 supposed [2] - 139:24, 165:15 surgical [1] - 125:7 **SURGICAL** [1] - 1:5 surprise [6] - 108:21, 170:15, 171:3, 171:20, 174:17 surprised [4] - 170:2, 187:14, 187:21, 196:20 suspect [1] - 70:23 sustain [1] - 121:23 swath [1] - 181:17 sweep [1] - 6:12

Т

tab [2] - 114:24, 115:15 table [1] - 180:17 tailor [1] - 91:9 tailored [1] - 92:20 taint [3] - 76:1, 76:3, 77:9 talks [3] - 9:11, 60:19, 62:24 Tan [6] - 159:9, 160:6, 162:17, 169:7, 171:20, 209:15 target [1] - 154:13 Tariff [1] - 83:13 taught [3] - 82:3, 82:10, 87:12 **TAYLOR** [1] - 2:3 teach [4] - 14:4, 43:14, 43:16, 72:22 teaches [1] - 35:14 teaching [3] - 13:16, 15:19, 72:20 Tech [1] - 89:23 technical [2] - 56:4, 56:6 TECHNOLOGY [1] - 1:9 telephonically [1] - 140:6 ten [2] - 161:23, 172:8 tension [1] - 70:1 Hawkins Reporting Service tensions[1]-60:10

```
thirty-five [1] - 201:5
term [14] - 60:20, 61:9, 61:14, 61:16,
                                              139:14, 139:21, 140:24, 141:15,
 61:22, 63:19, 64:15, 65:10, 66:1,
                                              142:5, 142:8, 142:13, 142:22, 143:24,
                                                                                          thirty-six [1] - 201:5
                                                                                          THOMAS [1] - 2:11
 67:17, 69:24, 184:9, 185:13, 185:14
                                              144:6, 144:14, 145:9, 145:13, 145:16,
                                              146:5, 146:10, 146:15, 146:22, 147:1,
terms [19] - 61:7, 65:4, 65:12, 70:4,
                                                                                          Thomas [4] - 3:13, 89:23, 158:7, 158:17
 71:24, 78:7, 86:21, 100:22, 120:10,
                                              147:8, 147:17, 147:23, 148:16,
                                                                                          threat [1] - 91:11
 124:17, 133:14, 134:16, 192:16,
                                              149:12, 150:8, 151:2, 151:15, 151:19,
                                                                                          three [33] - 8:15, 8:18, 8:20, 9:7, 9:8,
                                              151:22, 153:4, 153:16, 154:20,
 193:11, 196:3, 196:21, 199:18, 206:2,
                                                                                            10:5, 10:6, 10:9, 10:17, 10:22, 10:23,
                                              155:14. 156:23. 157:8. 157:11.
 209:24
                                                                                            11:5, 11:17, 26:9, 32:9, 32:15, 32:18,
                                              157:17, 157:24, 158:6, 159:10,
test [7] - 29:9, 29:16, 30:13, 30:14,
                                                                                            32:20, 34:17, 40:22, 41:14, 48:14,
                                              159:19, 159:23, 160:22, 161:2, 161:5,
 164:14, 173:6, 173:8
                                                                                            48:18, 49:2, 80:2, 80:7, 97:22, 101:5,
                                              161:9, 161:14, 161:24, 162:10,
testified [4] - 53:6, 126:12, 159:20,
                                                                                            116:23, 165:15, 185:21, 205:11,
                                              162:20, 163:11, 163:17, 163:23,
 175:12
                                                                                            208:10
                                              164:18, 164:22, 165:3, 165:24, 166:4,
testify [21] - 51:7, 156:18, 157:3, 159:6,
                                                                                          three-dimensional [1] - 116:23
                                              166:11, 166:19, 167:2, 167:9, 167:17,
 159:7, 160:13, 160:15, 161:21,
                                                                                          throw [3] - 33:3, 33:6, 34:4
                                              168:1, 168:18, 169:22, 170:1, 171:12,
 163:19, 163:21, 169:2, 169:6, 169:7,
                                                                                          thrown [2] - 74:14, 136:22
                                              172:12, 173:3, 173:20, 176:10,
 169:16, 171:18, 174:16, 175:13,
                                                                                          throws [1] - 94:13
                                              176:12, 177:7, 177:13, 177:21, 178:6,
 176:6, 187:9, 208:4, 210:15
                                                                                          Thursday [4] - 185:5, 185:6, 202:4,
                                              178:11, 178:24, 179:4, 181:24, 182:7,
testifying [5] - 158:22, 171:21, 190:3,
                                                                                           206:9
                                              182:21, 183:6, 184:5, 184:14, 190:10,
 197:2, 201:8
                                                                                          tibular [1] - 70:9
                                              190:17, 191:9, 191:22, 193:7, 193:10,
testimony [32] - 39:20, 49:5, 50:14,
                                                                                          ticking [1] - 96:4
                                              196:1, 196:3, 198:21, 198:23, 199:12,
 61:13, 103:22, 106:3, 108:1, 109:9,
                                                                                          tied [2] - 34:21, 57:5
                                              199:18, 200:14, 200:16, 201:10,
 109:14, 109:21, 127:7, 127:8, 139:1,
                                                                                          TIGAN [2] - 2:12, 146:12
                                              201:19, 202:11, 203:24, 206:2,
 139:12, 140:15, 141:10, 143:2, 143:5,
                                                                                          Tigan [1] - 3:15
                                              206:22, 207:2, 207:17, 207:24,
 143:21, 160:2, 172:23, 175:8, 175:15,
                                                                                          timed [1] - 200:17
                                              208:14, 209:5, 209:8, 210:5, 210:18,
 177:8, 180:18, 181:22, 190:2, 191:19,
                                                                                          timely [1] - 158:23
                                              210:23, 211:4, 211:17, 211:20
 196:22, 197:18, 199:2, 208:12
                                                                                          timing [3] - 77:22, 78:8, 194:2
                                             theories [6] - 85:10, 85:11, 102:18,
testing [1] - 165:9
                                                                                          tint [2] - 38:20, 38:23
                                              147:3, 148:9, 153:21
THE [301] - 1:2, 1:2, 1:18, 3:1, 3:6, 3:11,
                                                                                          tiny [1] - 211:4
                                             theory [8] - 36:11, 91:11, 101:7, 101:12,
 3:19, 5:10, 5:13, 6:4, 7:6, 7:21, 8:1,
                                                                                          tipped [1] - 71:21
                                              104:1, 129:14, 145:18, 156:19
 8:18, 9:9, 9:14, 9:18, 10:2, 10:8,
                                                                                          tissue [23] - 52:2, 52:7, 52:9, 52:14,
                                             thereabouts [1] - 166:6
 10:20, 11:15, 12:2, 12:20, 14:6, 15:10,
                                                                                            52:22, 53:15, 54:17, 57:14, 60:13,
                                             thereafter [1] - 86:11
 15:22, 16:3, 16:13, 16:17, 17:5, 19:16,
                                                                                            61:22, 62:1, 62:10, 63:19, 64:22, 67:1,
                                             therefor [1] - 153:10
 19:22, 21:2, 21:8, 21:13, 22:12, 22:23,
                                                                                            67:8, 68:14, 68:17, 68:19, 68:23, 69:7,
                                             therefore [4] - 25:12, 36:2, 110:3, 127:2
 23:4, 23:14, 23:22, 24:5, 24:11, 24:21,
                                                                                            179:18, 185:13
                                             they've [1] - 6:15
 25:10, 25:18, 25:23, 26:5, 26:8, 26:15,
                                                                                          Title [1] - 83:11
                                             thicker [3] - 21:22, 31:9, 63:3
 26:21, 27:4, 27:9, 27:19, 27:24, 29:2,
                                                                                          today [9] - 34:8, 49:22, 50:3, 113:9,
 29:22, 30:4, 31:3, 32:3, 34:9, 35:17,
                                             thickness [89] - 6:17, 7:14, 7:23, 8:2,
                                                                                           157:1, 165:9, 192:5, 201:22
 35:21, 36:18, 36:22, 37:3, 37:24, 40:2,
                                              8:11, 8:13, 8:17, 9:2, 9:7, 9:12, 9:17,
                                                                                          together [8] - 7:11, 11:6, 34:17, 34:21,
 40:24, 41:11, 41:21, 42:5, 42:14,
                                              10:14, 10:16, 10:19, 11:7, 11:9, 11:24,
                                                                                           120:16, 140:12, 168:16, 209:22
 42:22, 43:18, 44:2, 44:7, 47:3, 47:11,
                                              12:13, 13:13, 13:19, 13:23, 15:4,
                                                                                          tomorrow [17] - 89:16, 138:7, 138:10,
 51:4, 51:9, 51:13, 53:21, 55:4, 55:10,
                                              17:20, 18:6, 19:8, 19:10, 19:15, 20:2,
                                                                                           138:20, 139:15, 139:18, 139:22,
 55:17, 56:11, 56:23, 57:3, 58:5, 58:17,
                                              20:4, 20:6, 20:16, 20:17, 20:22, 21:7,
                                                                                           140:22, 143:9, 143:16, 143:17, 144:5,
 59:12, 59:16, 59:23, 60:3, 60:8, 63:14,
                                              22:5, 22:17, 22:19, 23:9, 23:24, 24:16,
                                                                                           144:11, 157:15, 157:22, 165:15, 166:8
 64:3, 66:2, 66:24, 68:8, 70:14, 70:17,
                                              25:4, 25:22, 26:23, 28:15, 28:19,
                                                                                          took [4] - 6:6, 8:5, 69:21, 81:17
 71:2, 71:12, 72:24, 74:17, 76:17,
                                              28:21, 28:22, 29:13, 29:16, 30:21,
                                                                                          top [1] - 98:11
 78:13, 78:24, 79:7, 79:12, 79:17,
                                              30:24, 31:8, 31:17, 33:20, 34:1, 34:6,
                                                                                          topics [5] - 159:6, 160:14, 163:20,
 79:23, 80:19, 81:8, 83:1, 83:22, 84:16,
                                              34:20, 36:12, 36:13, 38:10, 38:15,
                                                                                           171:5, 175:11
 84:20, 85:13, 86:10, 86:15, 86:20,
                                              39:2, 39:23, 40:16, 41:8, 41:10, 44:13,
                                                                                          total [1] - 113:1
 88:23, 89:5, 89:9, 90:11, 90:18, 92:1,
                                              44:19, 44:23, 45:16, 46:4, 46:16, 72:5,
                                                                                          touch [4] - 14:9, 101:20, 166:14, 186:1
 92:7, 92:22, 93:2, 93:6, 93:14, 93:23,
                                              72:7, 73:5, 73:7, 80:24, 81:1, 81:3,
                                                                                          towards [3] - 65:20, 160:18, 170:20
 94:7, 94:22, 97:12, 98:5, 98:16, 99:18,
                                              81:12, 81:20, 81:24, 148:22, 177:12,
                                                                                          toxic [2] - 63:9, 68:16
 100:8, 100:18, 104:8, 104:24, 106:1,
                                              177:14, 179:13, 179:14, 180:13
                                                                                          toxicity [1] - 62:4
 106:13, 106:20, 107:3, 107:23,
                                             thicknesses [9] - 18:16, 18:21, 19:1,
                                                                                          track [1] - 203:21
 108:10, 109:4, 109:15, 110:15, 111:5,
                                              21:9, 28:23, 29:14, 41:9, 46:11, 46:21
                                                                                          Trade [1] - 83:12
 111:11, 111:18, 113:4, 113:8, 113:23,
                                             thin [2] - 17:19, 22:6
                                                                                          trail [2] - 156:4, 162:13
                                             thinking [2] - 181:24, 182:3
 114:18, 115:21, 116:11, 121:23,
                                                                                          trailing [1] - 78:22
 122:14, 122:22, 124:7, 124:10,
                                             thinks [2] - 140:22, 156:7
                                                                                          transcribed [1] - 140:17
 125:16, 126:8, 127:3, 127:10, 127:18,
                                             third [6] - 18:7, 26:5, 30:4, 36:22, 98:17,
                                                                                          transcript [4] - 196:11, 196:15, 196:18,
 127:21, 128:10, 129:6, 130:8, 130:14,
                                              98:18
                                                                                           212:10
 130:21, 131:1, 131:5, 131:8, 138:18,
                                             thirty [3] - 201:4, 201:5
                                         Hawkins Reporting Service
```

type [1] - 196:23

transition [1] - 198:10 transparency [6] - 12:12, 14:1, 19:6, 31:14, 39:14, 39:15 treat [1] - 205:19 trial [105] - 3:22, 5:4, 25:24, 46:24, 47:5, 47:7, 47:21, 48:20, 50:20, 55:22, 58:10, 68:6, 70:24, 71:17, 73:10, 77:24, 78:3, 78:23, 79:1, 80:4, 80:6, 80:9, 80:15, 81:9, 82:13, 85:20, 88:17, 89:16, 90:8, 90:10, 90:12, 90:19, 92:2, 92:12, 93:13, 94:9, 96:24, 98:24, 99:3, 99:10, 99:16, 100:16, 108:2, 111:6, 132:1, 132:22, 133:23, 134:21, 135:23, 136:10, 136:20, 143:8, 143:17, 143:19, 147:4, 149:16, 149:21, 150:3, 151:1, 152:1, 152:13, 152:21, 153:15, 155:23, 156:6, 157:18, 158:3, 159:14, 159:18, 160:2, 161:22, 164:16, 169:21, 170:5, 171:8, 173:9, 174:15, 175:2, 175:13, 176:2, 178:9, 179:10, 180:2, 180:20, 181:6, 182:18, 183:13, 186:4, 188:2, 188:14, 192:21, 193:1, 193:4, 193:20, 196:23, 197:10, 200:17, 202:22, 206:7, 206:9, 208:18, 209:13, 211:6, 211:8 trials [1] - 137:7 tried [4] - 110:5, 113:21, 192:17 trouble [2] - 19:24, 94:4 true [7] - 31:7, 95:5, 102:14, 107:23, 119:13, 174:11, 212:10 truly [1] - 187:14 try [19] - 24:5, 67:15, 73:15, 75:24, 76:14, 87:9, 87:14, 99:12, 133:13, 134:4, 136:16, 137:3, 143:3, 144:21, 170:20, 194:13, 200:1, 204:23, 209:22 trying [19] - 4:8, 32:5, 41:3, 42:16, 42:23, 47:4, 48:2, 50:16, 63:1, 67:3, 99:11, 102:12, 103:1, 105:15, 162:21, 168:23, 184:18, 186:2, 191:5 Tuesday [1] - 1:13 TUNNELL [1] - 2:11 Tunnell [1] - 3:14 turn [1] - 144:21 turning [2] - 48:8, 74:15 turns [4] - 18:18, 61:5, 67:11, 205:17 twisted [1] - 75:6 two [65] - 10:13, 11:5, 14:12, 18:4, 18:5, 18:7, 19:14, 20:4, 20:13, 21:24, 22:8, 22:20, 23:9, 25:9, 25:16, 29:18, 31:20, 31:21, 35:23, 36:5, 48:9, 52:1, 53:13, 58:20, 58:24, 59:1, 62:19, 64:24, 65:18, 65:19, 68:6, 69:10, 71:16, 72:17, 72:19, 80:5, 84:2, 88:19, 93:3, 94:15, 97:21, 109:3, 112:12, 116:13, 118:17, 131:11, 139:14, 139:22, 143:17, 144:8, 144:15, 150:23, 158:2, 159:8, 159:13, 159:19, 164:20, 168:4,

171:7, 172:23, 175:2, 176:1, 176:4,

197:21, 201:17

two-player [1] - 112:12

types [2] - 84:1, 148:18 U **U.S** [23] - 98:10, 101:9, 101:10, 102:4, 102:10, 102:21, 104:2, 104:9, 104:21, 105:9, 105:10, 105:12, 111:23, 112:12, 112:13, 113:1, 114:23, 115:2, 115:14, 115:16, 115:19, 126:15 ultimate [1] - 96:8 $\pmb{ultimately}\ [2]\ -\ 85:14,\ 187:12$ unanimously [1] - 158:13 uncertain [1] - 156:17 unclear [2] - 145:17, 150:17 uncontested [1] - 192:10 under [11] - 82:20, 82:21, 83:6, 83:7, 83:10, 83:12, 151:11, 169:18, 175:8, 182:12, 192:19 underlying [1] - 106:11 understood [5] - 21:1, 28:3, 113:24, 182:10, 191:4 undisputed [1] - 174:1 unfairly [2] - 156:1, 187:23 unicorn [1] - 71:16 unique [11] - 71:15, 73:9, 73:22, 131:23, 132:8, 160:16, 168:3, 169:1, 178:1, 178:4, 178:22 **UNITED** [1] - 1:2 United [14] - 1:19, 98:1, 100:2, 100:23, 101:24, 102:6, 103:10, 104:5, 109:24, 111:10, 111:13, 165:14, 187:8, 190:13 universally [1] - 129:19 unless [3] - 141:11, 167:8, 192:8 unlikely [1] - 78:8 unnecessary [2] - 42:11, 152:20 unreasonable [1] - 175:15 unreliable [1] - 39:21 unusual [1] - 131:24 up [53] - 7:7, 16:24, 19:20, 20:15, 22:4, 22:24, 24:9, 29:18, 35:18, 36:16, 43:8, 50:10, 51:4, 55:16, 57:5, 58:19, 67:24, 78:17, 82:12, 93:12, 96:12, 116:5, 116:21, 117:6, 117:11, 118:8, 121:9, 123:16, 124:4, 128:1, 128:21, 134:11, 149:16, 152:17, 157:20, 162:10, 162:17, 164:4, 164:16, 165:8, 165:12, 165:16, 166:16, 169:11, 180:24, 182:17, 185:21, 195:13, 200:20, 203:9, 204:14, 205:1, 208:11 update [1] - 172:15 updated [1] - 202:6 upheld [1] - 76:23 urging [1] - 178:19 user [15] - 10:15, 10:17, 23:24, 24:16, 24:22, 25:18, 25:20, 25:24, 26:23,

V

valid [1] - 86:24 validity [1] - 96:10 varies [1] - 117:9 various [5] - 4:2, 105:16, 176:17, 196:4, 204:12 veer [1] - 149:22 verdict [12] - 75:24, 76:14, 76:20, 76:21, 90:21, 92:15, 93:14, 93:16, 95:11, 95:20, 136:8, 151:9 version [1] - 206:4 versus [6] - 41:2, 72:14, 85:4, 89:23, 95:15, 172:20 vicarious [5] - 89:3, 145:19, 146:4, 146:6 video [9] - 17:15, 46:10, 121:2, 121:8, 123:6, 165:6, 165:9, 196:12, 196:20 videographer [1] - 165:11 videos [1] - 17:2 view [22] - 12:20, 19:17, 32:7, 38:17, 41:15, 51:6, 66:16, 76:18, 104:10, 132:12, 132:16, 152:19, 176:13, 176:18, 177:22, 178:15, 179:1, 179:5, 179:12, 185:15, 187:13, 201:11 viewed [1] - 17:1 virtually [1] - 97:1 visibility [1] - 18:23 visible [10] - 53:5, 56:7, 57:18, 120:5, 121:11, 124:23, 125:14, 126:16, 126:21, 129:13 visual [10] - 25:21, 30:19, 31:20, 33:15, 53:7, 124:24, 126:1, 126:12, 126:22, visualization [28] - 13:17, 30:20, 32:24, 33:18, 34:13, 34:15, 34:19, 40:13, 51:16, 58:8, 66:9, 66:11, 66:12, 66:15, 66:16, 66:18, 69:14, 69:15, 72:9, 81:4, 81:8, 81:13, 81:14, 149:2, 153:22, 153:24, 155:3, 179:16 visually [3] - 31:12, 33:1, 57:14

W

voir [3] - 204:2, 204:12, 206:13

wait [3] - 35:8, 118:20, 129:16
waived [1] - 194:12
wall [1] - 156:22
wants [2] - 40:3, 141:18
wasted [1] - 149:17
watertight [2] - 125:13, 125:14
ways [6] - 117:9, 117:18, 117:19, 118:4, 122:10, 167:13
weak [1] - 75:15
weaker [1] - 152:10
week [1] - 185:5
weekends [1] - 211:6
weeks [13] - 68:6, 71:16, 132:1, 143:18,

Hawkins Reporting Service

28:18, 29:8, 30:13, 30:18, 39:6

uses [1] - 126:12

143:23, 165:19, 165:23, 166:5, 166:16, 166:21, 171:7, 175:2, 176:1 weigh [2] - 90:1, 175:16 weighing [1] - 176:5 weighted [1] - 134:14 welcome [2] - 3:19, 71:12 whatsoever [3] - 72:23, 76:12, 79:6 wheel [1] - 35:5 wheels [1] - 35:6 whereas [2] - 92:11, 96:19 whereby [1] - 208:17 WHEREOF [1] - 212:14 whole [22] - 4:7, 14:13, 23:4, 37:24, 58:1, 63:2, 64:7, 65:9, 67:6, 67:7, 68:1, 77:10, 83:10, 86:4, 113:16, 127:7, 127:8, 153:13, 172:19, 181:17, 202:14, 207:13 wholesale [1] - 62:7 wiggle [1] - 67:15 willing [4] - 67:9, 141:12, 154:20, 200:19 Wilmington [4] - 1:16, 208:3, 210:15, 212:16 win [3] - 67:10, 92:10, 92:12 wipe [1] - 63:1 Witcoff [1] - 3:9 WITCOFF [1] - 2:5 withdrawn [1] - 188:11 witness [46] - 87:17, 157:3, 157:13, 157:18, 157:23, 158:3, 158:17, 159:9, 160:3, 160:10, 164:9, 164:17, 165:13, 166:6, 166:9, 166:14, 166:17, 167:14, 167:15, 169:8, 170:17, 170:23, 174:1, 174:14, 175:18, 175:22, 191:12, 193:15, 193:23, 194:8, 194:14, 195:3, 195:5, 195:6, 196:9, 196:13, 197:2, 198:4, 198:5, 198:6, 198:7, 198:13, 199:2, 200:6, 208:5, 210:4 WITNESS [2] - 86:15, 212:14 witnesses [34] - 140:11, 158:2, 159:5, 159:8, 159:13, 159:17, 159:19, 159:20, 160:14, 161:21, 162:3, 163:19, 163:21, 168:5, 169:5, 175:7, 175:11, 196:4, 196:5, 198:18, 199:20, 201:3, 203:1, 207:6, 208:3, 208:10, 209:10, 209:14, 209:19, 209:20, 209:23, 210:21 woman [1] - 139:13 won [3] - 69:19, 74:7, 75:10 word [2] - 24:10, 66:11 wording [2] - 14:15, 98:3 words [5] - 11:16, 37:10, 44:1, 45:1, 178:2 works [3] - 17:2, 116:13, 165:10 worried [1] - 149:13

worse [1] - 200:6 wrapped [1] - 157:20 writing [1] - 192:4

written [18] - 13:14, 16:10, 26:20, 35:2,

96:3, 132:2, 148:5, 153:1, 153:7, 154:18, 155:5, 176:3

Υ

year [2] - 97:9, 134:19 years [3] - 137:2, 141:9, 143:3 yesterday [11] - 5:15, 15:2, 32:12, 62:16, 70:13, 97:15, 141:20, 143:11, 158:10, 189:22, 201:14 YOUNG [1] - 2:3 Young [1] - 3:8 yourself [1] - 75:11

Ζ

zero [1] - 115:2

35:7, 35:14, 79:19, 79:22, 83:7, 85:1 Hawkins Reporting Service

CERTIFICATE OF SERVICE

I, Karen L. Pascale, Esquire, hereby certify that on August 13, 2018, I caused to be electronically filed a true and correct copy of the foregoing document with the Clerk of the Court using CM/ECF (which will send notification that such filing is available for viewing and downloading to all registered counsel), and in addition caused true and correct copies of the foregoing document to be served upon the following counsel of record by e-mail:

For Defendant HyperBranch Medical Technology, Inc.:

Thomas C. Grimm tgrimm@mnat.com
Jeremy A. Tigan jtigan@mnat.com
Stephen J. Kraftschik skraftschik@mnat.com

MORRIS, NICHOLS, ARSHT & TUNNELL LLP

1201 North Market Street

P.O. Box 1347

Wilmington, DE 19899-1347

COOLEY LLP

zHyperBranchIntegra@cooley.com

Jonathan Graves

Stephen C. Crenshaw

One Freedom Square

Reston Town Center

11951 Freedom Drive

Reston, VA 20190-5656

Adam Pivovar

Nicholas G. Lockhart

James P. Hughes

Naina Soni

Lisa Schwier

1299 Pennsylvania Avenue, NW

Suite 700

Washington, DC 20004

/s/Karen L. Pascale

Karen L. Pascale (#2903) [kpascale@ycst.com]
YOUNG CONAWAY STARGATT & TAYLOR LLP
1000 North King Street
Wilmington, DE 19801

Telephone: (302) 571-6600 *Attorneys for Plaintiffs*